Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: [X] DRILL [ ] REENTER	5. Lease Serial No. UTU-0582-A
	6. If Indian, Allottee or Tribe Name TRIBAL SURFACE
	7. If Unit or CA Agreement, Name and No. NATURAL BUTTES UNIT
b. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other [ ] Single Zone [X] Multiple Zone	8. Lease Name and Well No. NBU 920-27A
2. Name of Operator WESTPORT OIL & GAS COMPANY L.P.	9. API Well No. 43-047-37899
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. *(include area code)* (435) 781-7024
	10. Field and Pool, or Exploratory NATURAL BUTTES
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* 40.011952	
At surface NENE 579'FNL, 728'FEL LOT 1 615653X	11. Sec., T., R., M., or Blk, and Survey or Area
At proposed prod. Zone 4429751Y -109.644927	SECTION 27-T9S-R20E
14. Distance in miles and direction from nearest town or post office* 7.6 MILES SOUTHEAST OF OURAY, UTAH	12. County or Parish UINTAH / 13. State UTAH

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 579'	16. No. of Acres in lease 43.20	17. Spacing Unit dedicated to this well 40.00
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 10,300'	20. BLM/BIA Bond No. on file CO-1203
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4850'GL	22. Approximate date work will start* UPON APPROVAL	23. Estimated duration TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature [signature]	Name *(Printed/Typed)* SHEILA UPCHEGO	Date 3/1/2006
Title REGULATORY ANALYST		
Approved by *(Signature)* [signature]	Name *(Printed/Typed)* BRADLEY G. HILL	Date 03-20-06
Title	Office ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

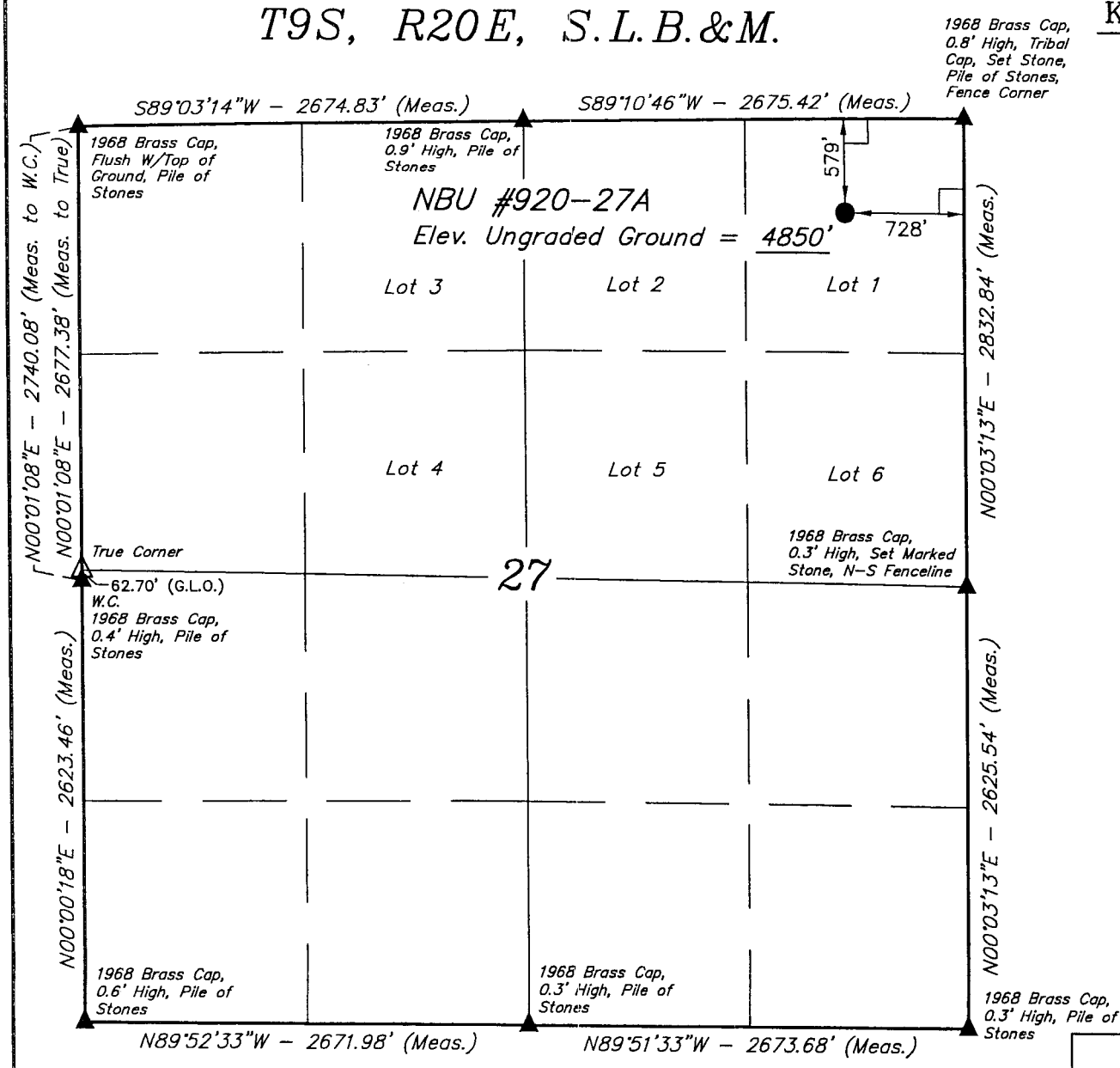
Title 18 U.S.C. Section 1001and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

Federal Approval of this Action is Necessary

RECEIVED
MAR 10 2006
DIV. OF OIL, GAS & MINING

T9S, R20E, S.L.B.&M.

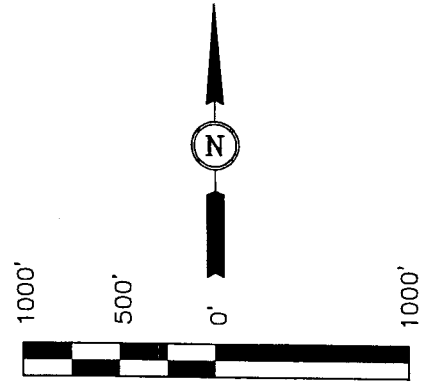


Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #920-27A, located as shown in the NE 1/4 NE 1/4 (Lot 1) of Section 27, T9S, R20E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED (Not Set On Ground)

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)
LATITUDE = 40°00'43.05" (40.011958)
LONGITUDE = 109°38'43.95" (109.645542)
(NAD 27)
LATITUDE = 40°00'43.18" (40.011994)
LONGITUDE = 109°38'41.46" (109.644850)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 12-9-05	DATE DRAWN: 1-3-06
PARTY: D.K. L.K. K.G.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: Kerr-McGee Oil & Gas Onshore LP	

NBU 920-27A
NENE SEC 27-T9S-R20E
UINTAH COUNTY, UTAH
LEASE NUMBER: UTU-0582-A

ONSHORE ORDER NO. 1
WESTPORT OIL & GAS COMPANY

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Green River	1900'
Wasatch	5275'
Mesaverde	8250'
Total Depth	10,300'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	1900'
Gas	Wasatch	5275'
Gas	Mesaverde	8250'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment:**

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP.

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure at 10,300' TD approximately equals 6,386 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4,120 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates & Notification of Operations:**

Please see the Natural Buttes Unit SOP.

9. **Variances:**

Please see the Natural Buttes Unit SOP.

10. **Other Information:**

Please see the Natural Buttes Unit SOP.

KerrMcGee

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	March 1, 2006
WELL NAME	**NBU 920-27A**	TD	10,300' MD/TVD
FIELD	Natural Buttes COUNTY Uintah STATE Utah	ELEVATION	4,850' GL KB 4,865'
SURFACE LOCATION	NENE LOT 1 SECTION 27-T9S-R20E 579'FNL & 728'FEL	BHL	Straight Hole
	Latitude: 40.011958 Longitude: 109.645542		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde		
ADDITIONAL INFO	Regulatory Agencies: TRIBAL SURF & BLM MINERALS, UDOGM, Tri-County Health Dept.		

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'	14"		
			12-1/4"	9-5/8", 32.3#, H-40, STC **For wells w/ surf csg set below 2300' app 10 jts of 36# J55 will be run on bottom	Air mist
Catch water sample, if possible, from 0 to 5,275'					
	Green River @	1,900			
	Preset f/ GL @ 2800 MD				
	Note: 12.25" surface hole will usually be drilled ±400' below the lost circulation zone (aka bird's nest). Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.				
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2",11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-12.7 ppg
	Wasatch @	5,275'			
	Mverde @	8,250'			
	TD @	10,300'			Max anticipated Mud required 12.7 ppg

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						2270	1370	254000
SURFACE	9-5/8"	0	to	2400	32.30	H-40	STC	0.50*******	1.22	3.21
								3520	2020	564000
	9-5/8"	2400	to	2800	36.00	J-55	STC	1.01*******	1.54	7.12
								10690	7560	279000
PRODUCTION	4-1/2"	0	to	10300	11.60	I-80	LTC	2.36	1.11	2.68

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 12.7 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 4536 psi

********* Burst SF is low but csg is stronger than formation at 2800 feet

********* EMW @ 2800 for 2270# is 15.6 ppg or 0.8 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
			NOTE: If well will circulate water to surface, option 2 will be utilized				
SURFACE	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
Option 2	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,770'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	520	60%	11.00	3.38
	TAIL	5,530'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1550	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

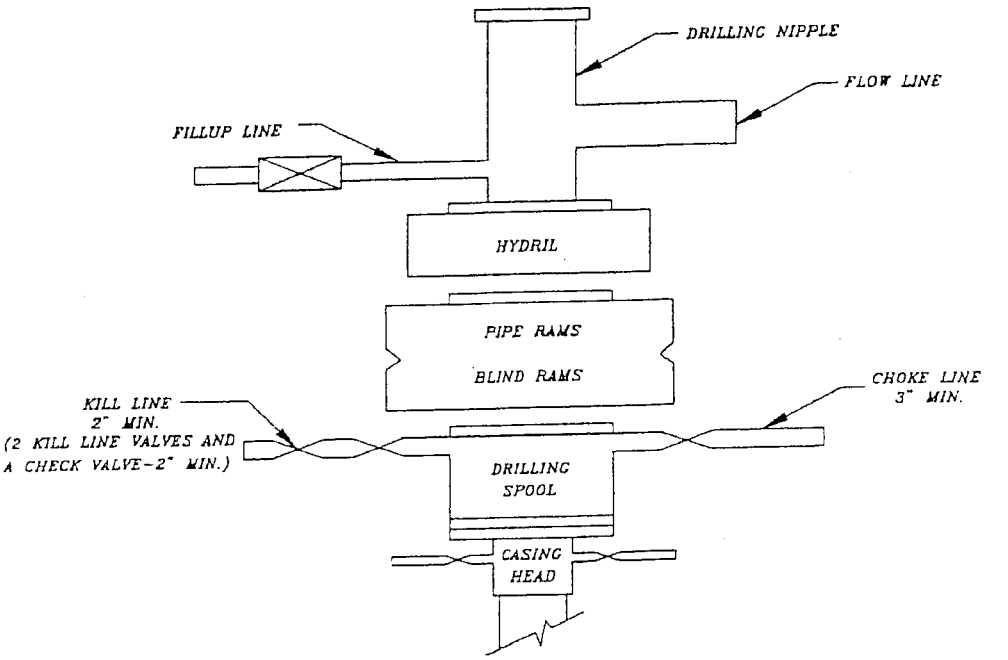
DRILLING ENGINEER: _____ **DATE:** _____

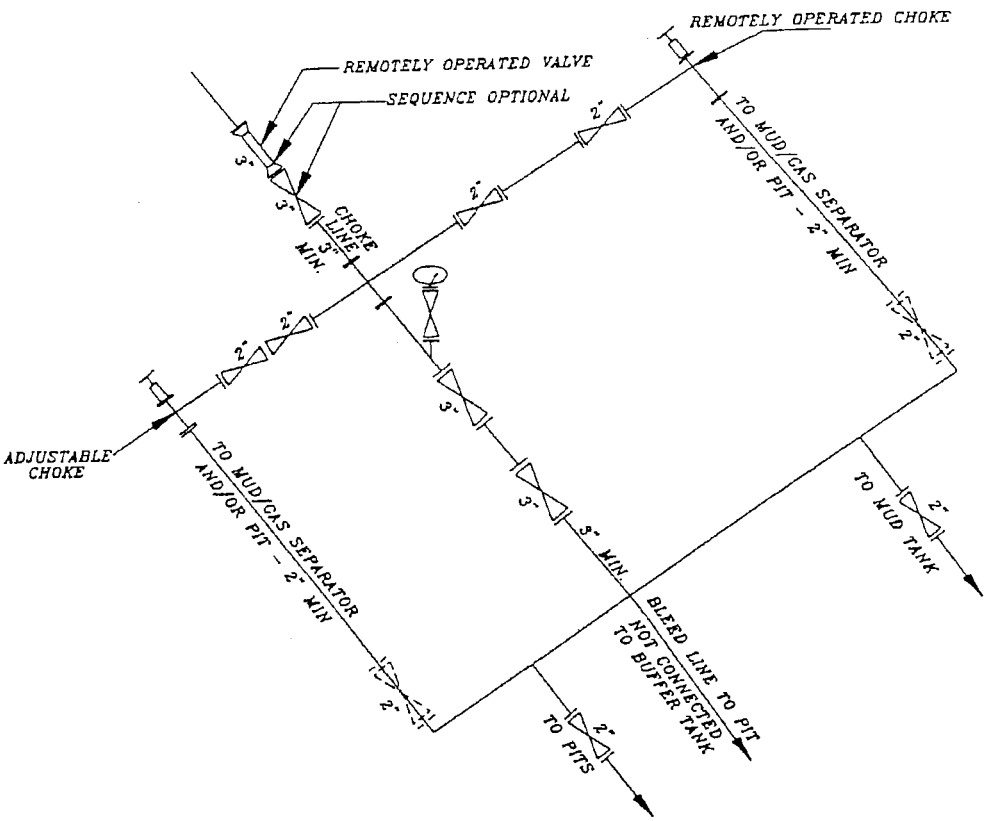
Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne NBU920-27A_P110_APD(pipeline).xls

5M BOP STACK and CHOKE MANIFOLD SYSTEM





NBU 920-27A
NENE SEC 27-T9S-R20E
UINTAH COUNTY, UTAH
LEASE NUMBER: UTU-0582-A

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 0.2 +/- Miles of proposed access road. Refer to Topo Map B.

Approximately 0.6 +/- Miles of Re-Habed road needs upgraded. Refer to Topo Map B.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

Please see the Natural Buttes Unit SOP.

Refer to Topo Map D for the location of the proposed pipeline.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon (2.5Y 6/2), a non-reflective earthtone.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes Unit SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes Unit SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes Unit SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec 5-T9S-R22E, NBU #159, Sec 35-T9S-

R21E, Ace Oilfield Sec 2-T6S-R20E, MC & MC Sec 12-T6S-R19E,. (Requests in lieu of filing Form 3160-5 after initial production).

8. **Ancillary Facilities:**

Please see the Natural Buttes Unit SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Culvert(s) will be installed if needed.

A run off diversion for drainage will be constructed as needed.

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined. When the reserve pit is closed, the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes Unit SOP.

11. **Surface Ownership:**

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435)-722-5141

12. **Other Information:**

A Class III archaeological survey has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

13. **Lessee's or Operators's Representative & Certification:**

Sheila Upchego
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted Upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Kerr-McGee Oil & Gas Onshore LP Bond #N-2115, BLM Nationwide Bond # CO-1203, and BIA Nationwide Bond # RLB0005239.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sheila Upchego

02/28/2006
Date

Kerr-McGee Oil & Gas Onshore LP

NBU #920-27A
SECTION 27, T9S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.4 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE BEGINNING OF A RE-HABED ROAD TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY DIRECTION APPROXIMATELY 0.6 MILES THE BEGINNING OF THE PROPOSED ACCESS TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 38.6 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #920-27A

LOCATED IN UINTAH COUNTY, UTAH
SECTION 27, T9S, R20E, S.L.B.&M.

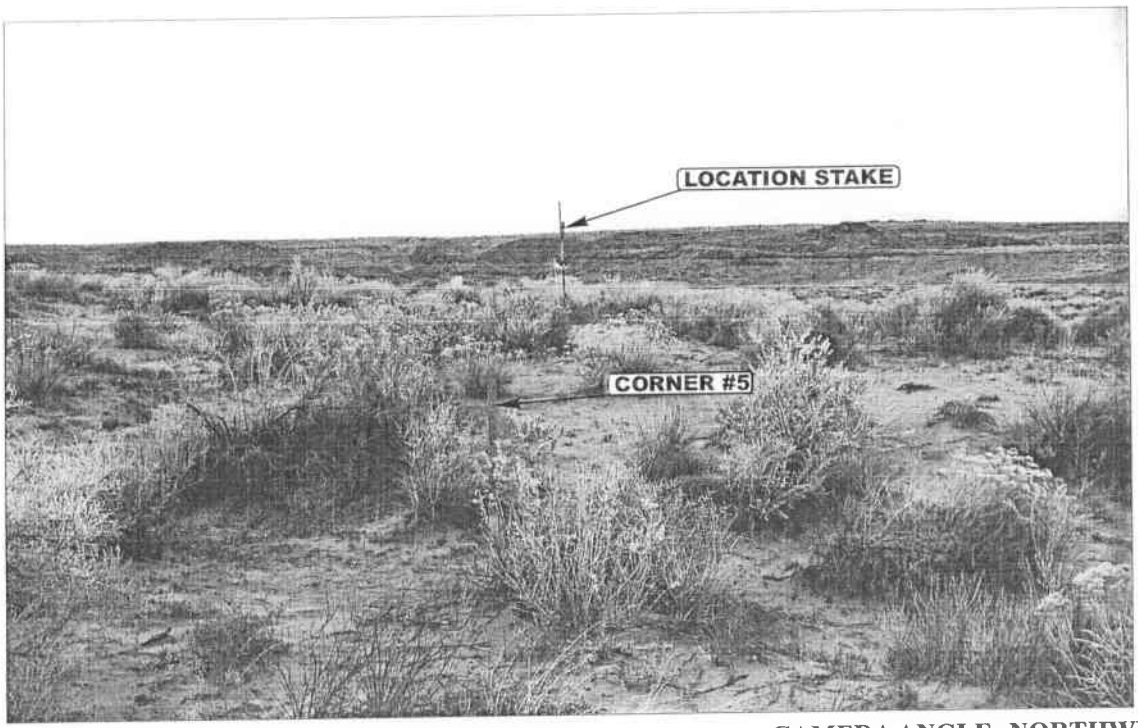


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: NORTHWESTERLY**

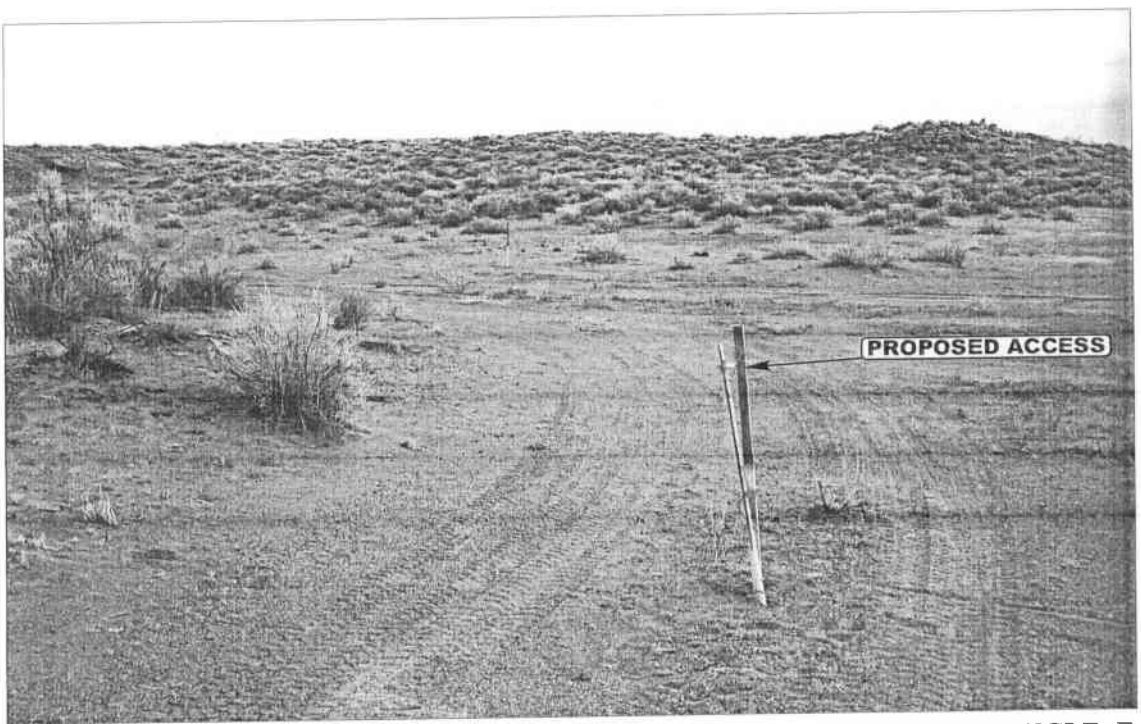
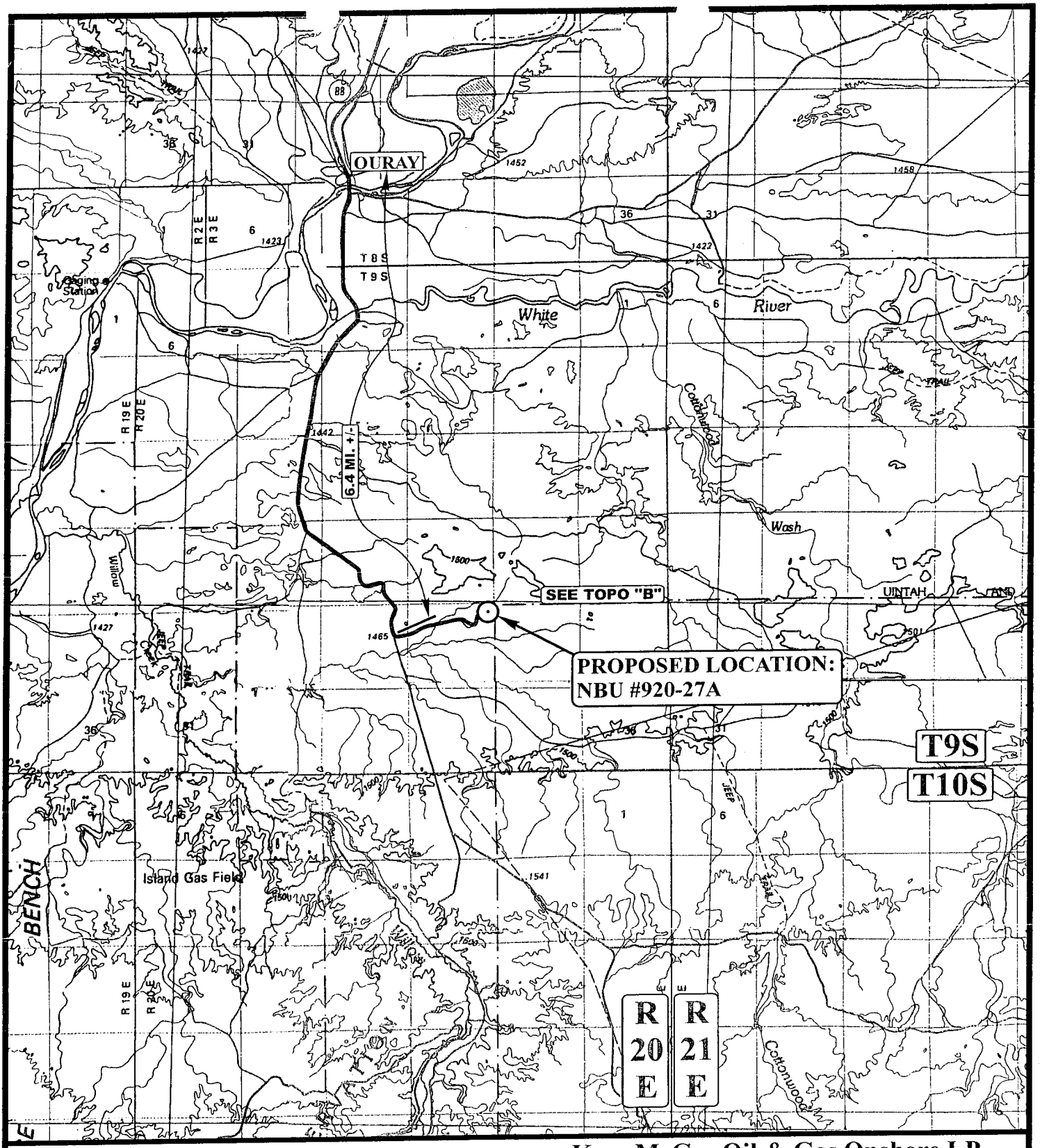


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: EASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	12 MONTH	28 DAY	05 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

N

Kerr-McGee Oil & Gas Onshore LP

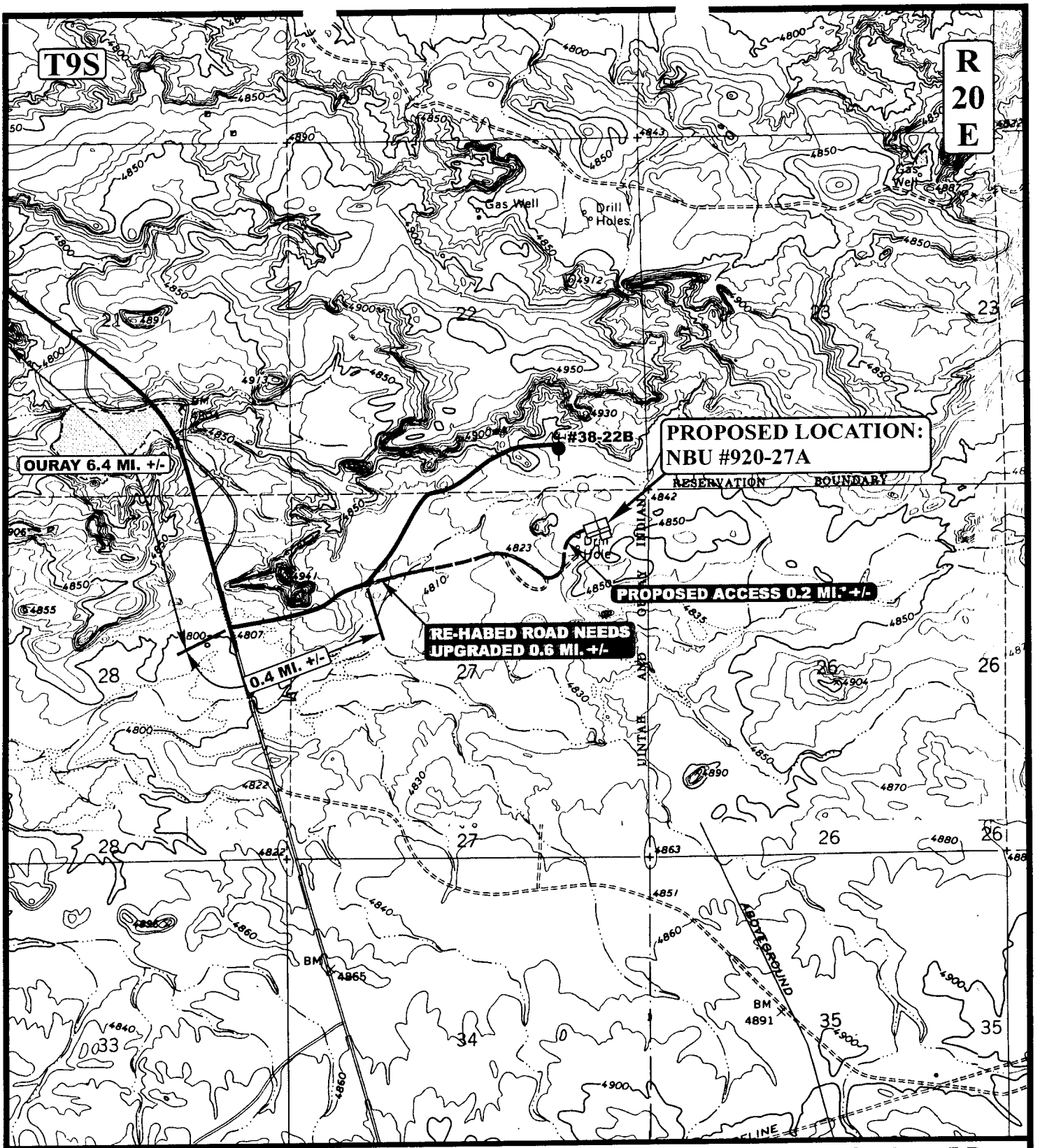
NBU #920-27A

SECTION 27, T9S, R20E, S.L.B.&M.

579' FNL 728' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	28 DAY	05 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD
PROPOSED ACCESS ROAD
RE-HABED ROAD NEEDS UPGRADED

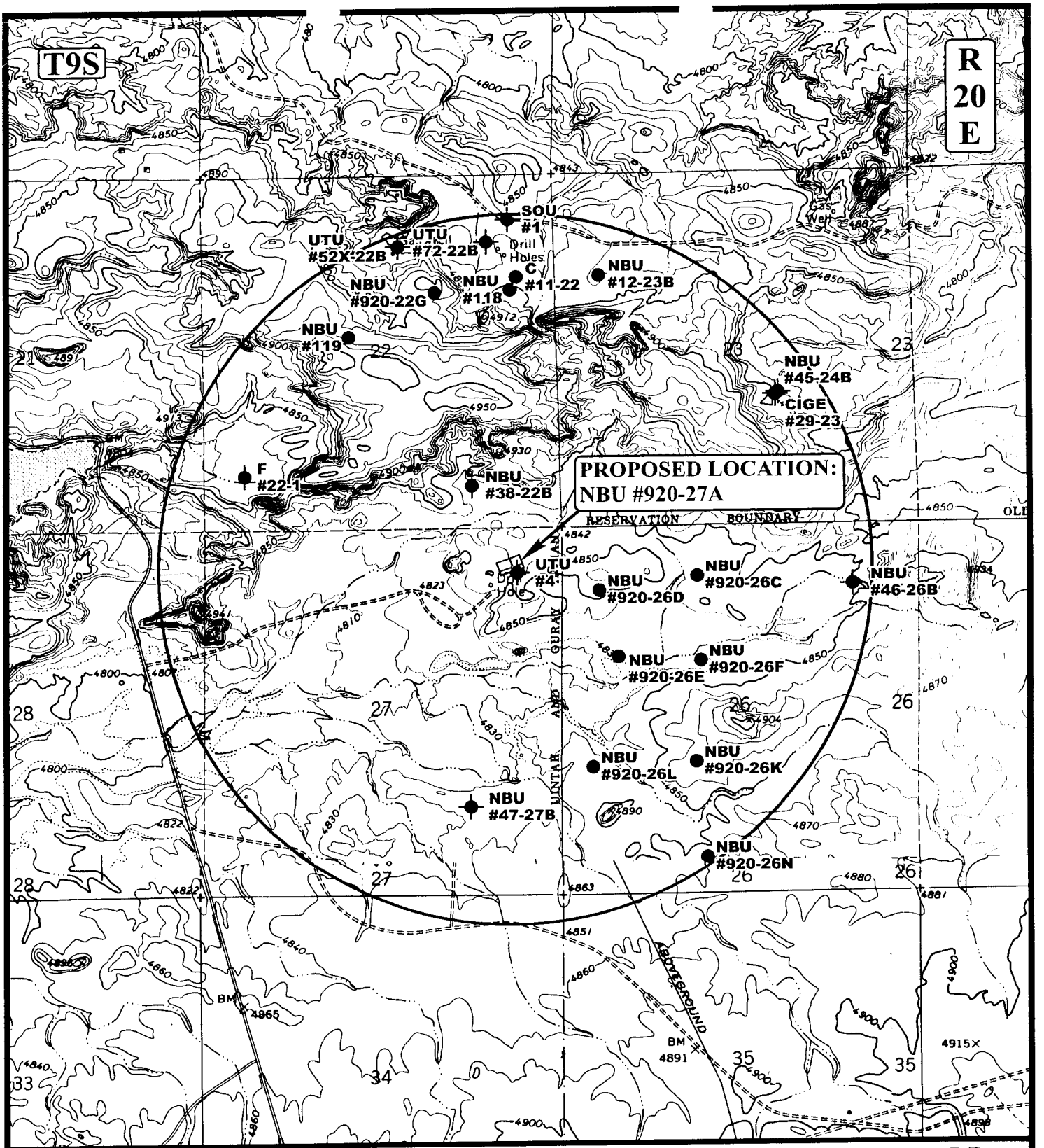
N

Kerr-McGee Oil & Gas Onshore LP

NBU #920-27A
SECTION 27, T9S, R20E, S.L.B.&M.
579' FNL 728' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	28 DAY	05 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

Kerr-McGee Oil & Gas Onshore LP

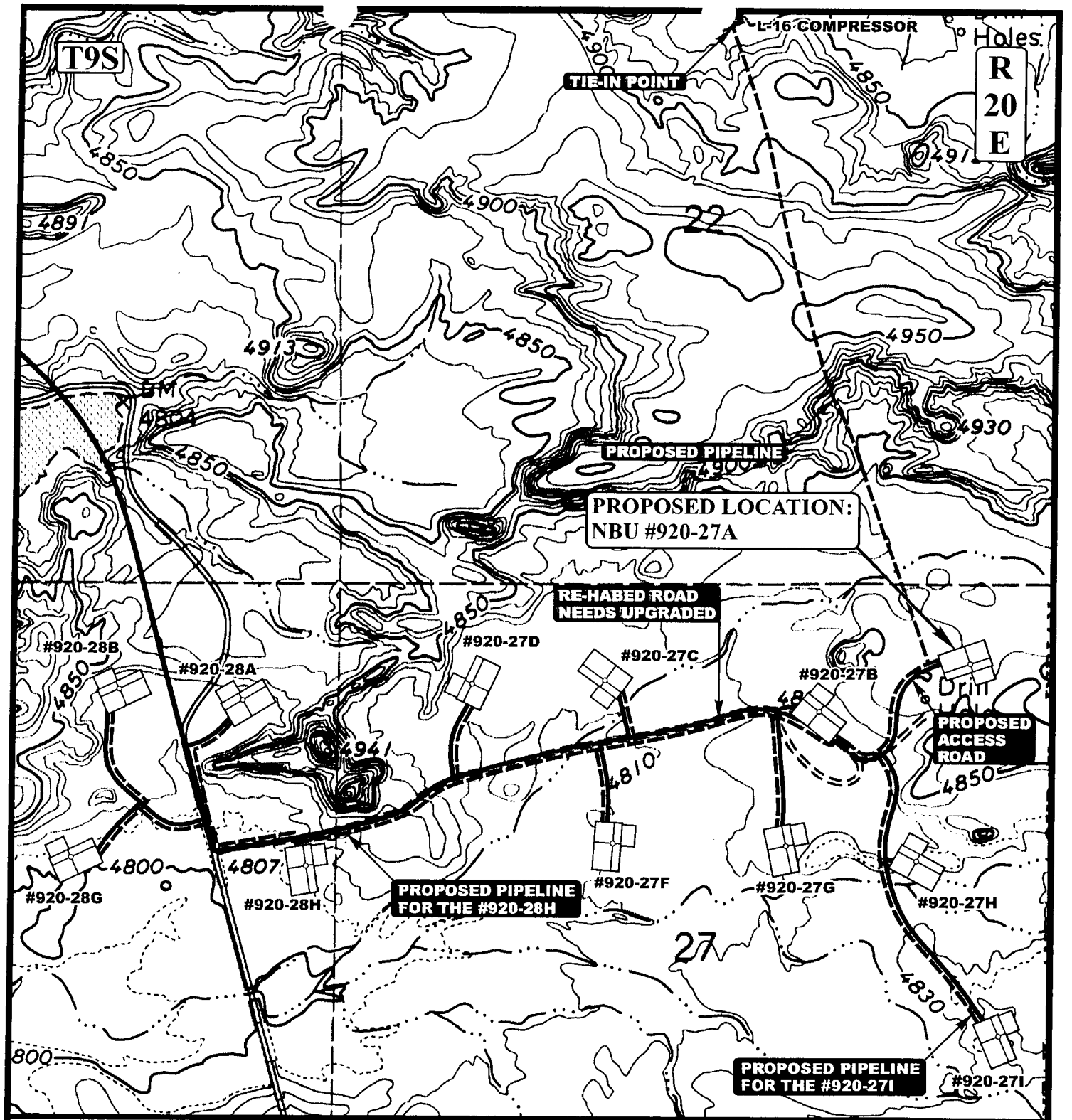
NBU #920-27A

SECTION 27, T9S, R20E, S.L.B.&M.

579' FNL 728' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	28 DAY	05 YEAR
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00	C TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 5,015' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- RE-HABED ROAD NEEDS UPGRADED
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

NBU #920-27A
SECTION 27, T9S, R20E, S.L.B.&M.
579' FNL 728' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	28 DAY	05 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: C.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

NBU #920-27A

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 27, T9S, R20E, S.L.B.&M.

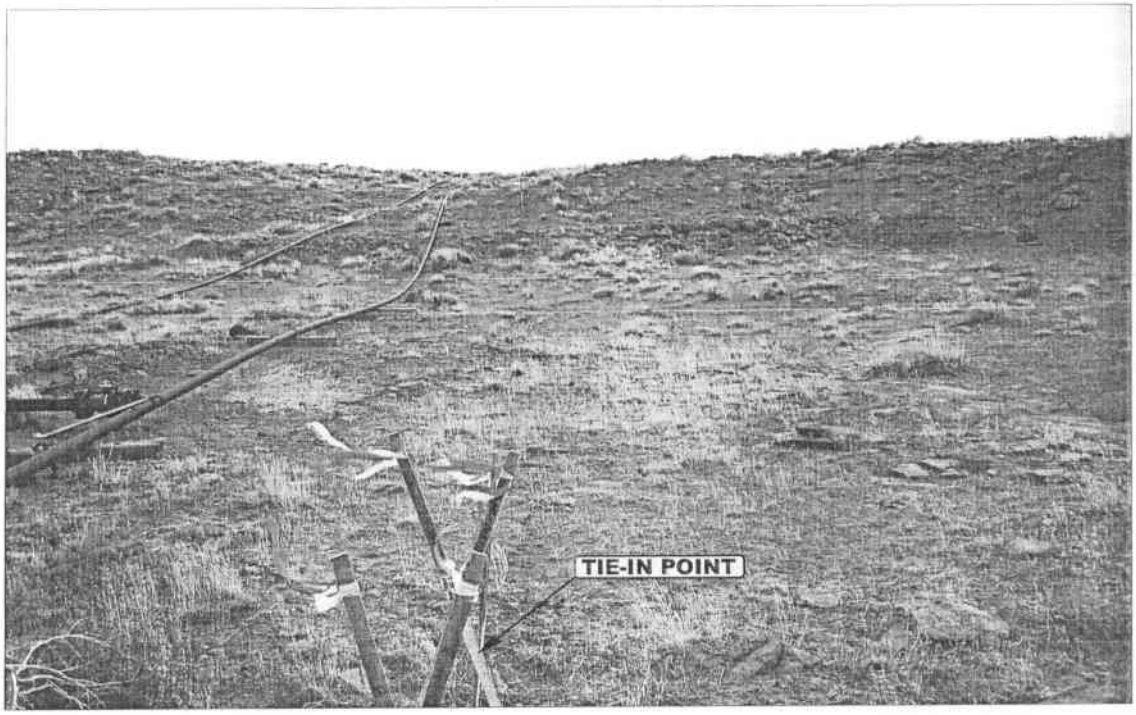


PHOTO: VIEW FROM TIE-IN POINT **CAMERA ANGLE: SOUTHERLY**

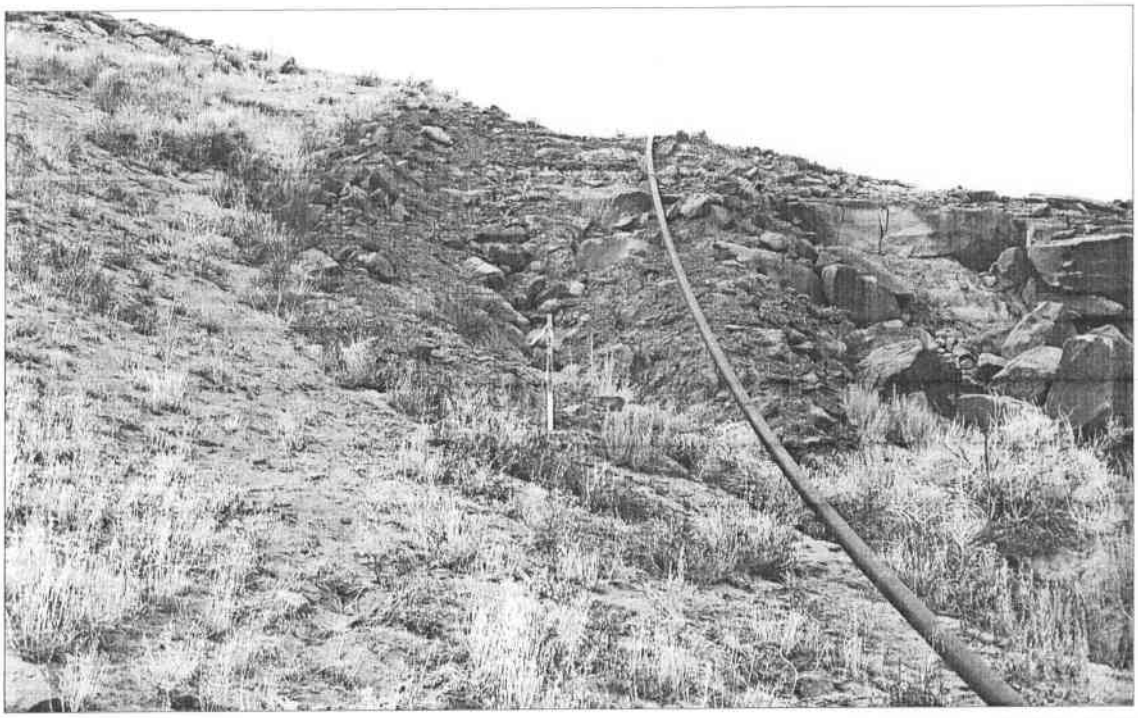


PHOTO: VIEW OF PIPELINE ALIGNMENT **CAMERA ANGLE: NORTHERLY**

- Since 1964 -

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

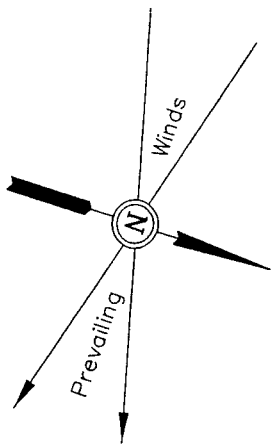
PIPELINE PHOTOS	12 MONTH	28 DAY	05 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: C.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

NBU #920-27A
SECTION 27, T9S, R20E, S.L.B.&M.
579' FNL 728' FEL



SCALE: 1" = 50'
DATE: 1-3-06
Drawn By: K.G.

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

C-1.5'
El. 47.3'

Proposed Access Road

F-1.9'
El. 43.9'

6 | 8

58'

7 C-1.2'
El. 47.0'

Sta. 3+50

200'

Approx. Top of Cut Slope

PIPE TUBS

CATWALK

PIPE RACKS

O.H. C-3.7'
El. 49.5'

C-1.1'
El. 46.9'

FLARE PIT

Biogie Line

D

F-1.4'
El. 44.4'

El. 47.8'
C-12.0'
(btm. pit)

C

100'

10'

58'

135'

Sta. 1+50

RIG

1

5

C-1.0'
El. 46.8'

MUD TANKS

DOG HOUSE

TOILET

TRAILER

LIGHT PLANT

BOILER

COMPRESSOR

WATER TANK

PUMP HOUSE

MUD TANKS

BOOSTER

RESERVE PITS
(10' Deep)

Total Pit Capacity
W/2' of Freeboard
= 15,490 Bbls. ±
Total Pit Volume
= 4,280 Cu. Yds.

Reserve Pit Backfill & Spoils Stockpile

15' WIDE BENCH

150'

1 1/2:1 Slope

Topsoil Stockpile

Sta. 0+50

TRASH

C-0.4'
El. 46.2'

150'

PROPANE STORAGE

B | A

El. 49.0'
C-13.2'
(btm. pit)

10'

58'

3 F-3.5'
El. 42.3'

Sta. 0+00

4 C-1.5'
El. 47.3'

Approx. Toe of Fill Slope

2

F-3.0'
El. 42.8'

NOTES:

Elev. Ungraded Ground At Loc. Stake = 4849.5'

FINISHED GRADE ELEV. AT LOC. STAKE = 4845.8'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

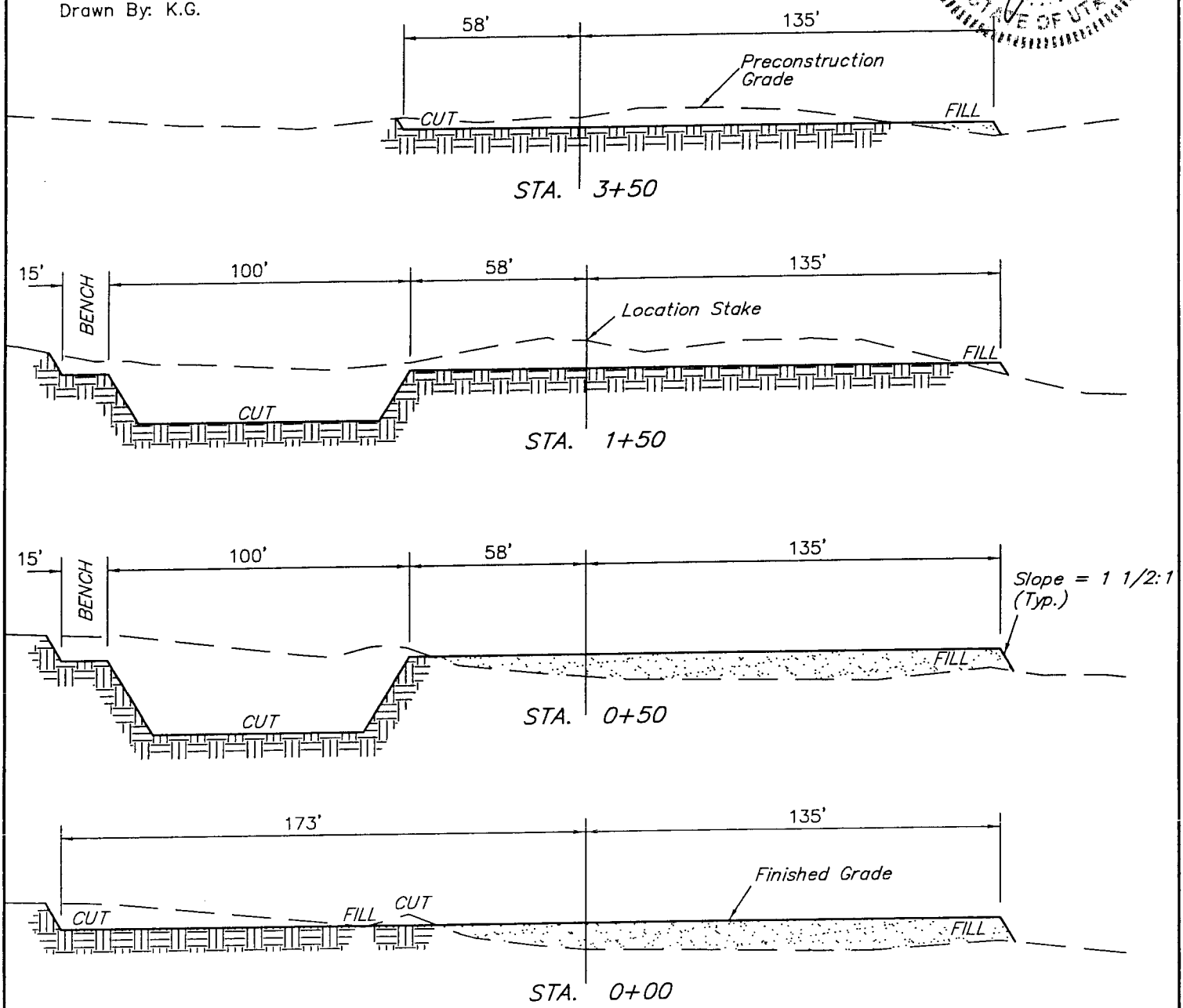
FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #920-27A
SECTION 27, T9S, R20E, S.L.B.&M.
579' FNL 728' FEL

1" = 20'
X-Section Scale
1" = 50'

DATE: 1-3-06
Drawn By: K.G.



* *NOTE:*
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = *3,520* Cu. Yds.
Remaining Location = *6,560* Cu. Yds.

TOTAL CUT = *10,080* CU.YDS.
FILL = *4,420* CU.YDS.

EXCESS MATERIAL = *5,660* Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = *5,660* Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation) = *0* Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/10/2006

API NO. ASSIGNED: 43-047-37899

WELL NAME: NBU 920-27A

OPERATOR: WESTPORT OIL & GAS CO (N2115)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

NENE 27 090S 200E

SURFACE: 0579 FNL 0728 FEL

BOTTOM: 0579 FNL 0728 FEL

COUNTY: UINTAH

LATITUDE: 40.01195 LONGITUDE: -109.6449

UTM SURF EASTINGS: 615653 NORTHINGS: 4429753

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /		
Tech Review	**Initials**	**Date**
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0582-A

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. CO-1203)

N Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-2-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 173-14

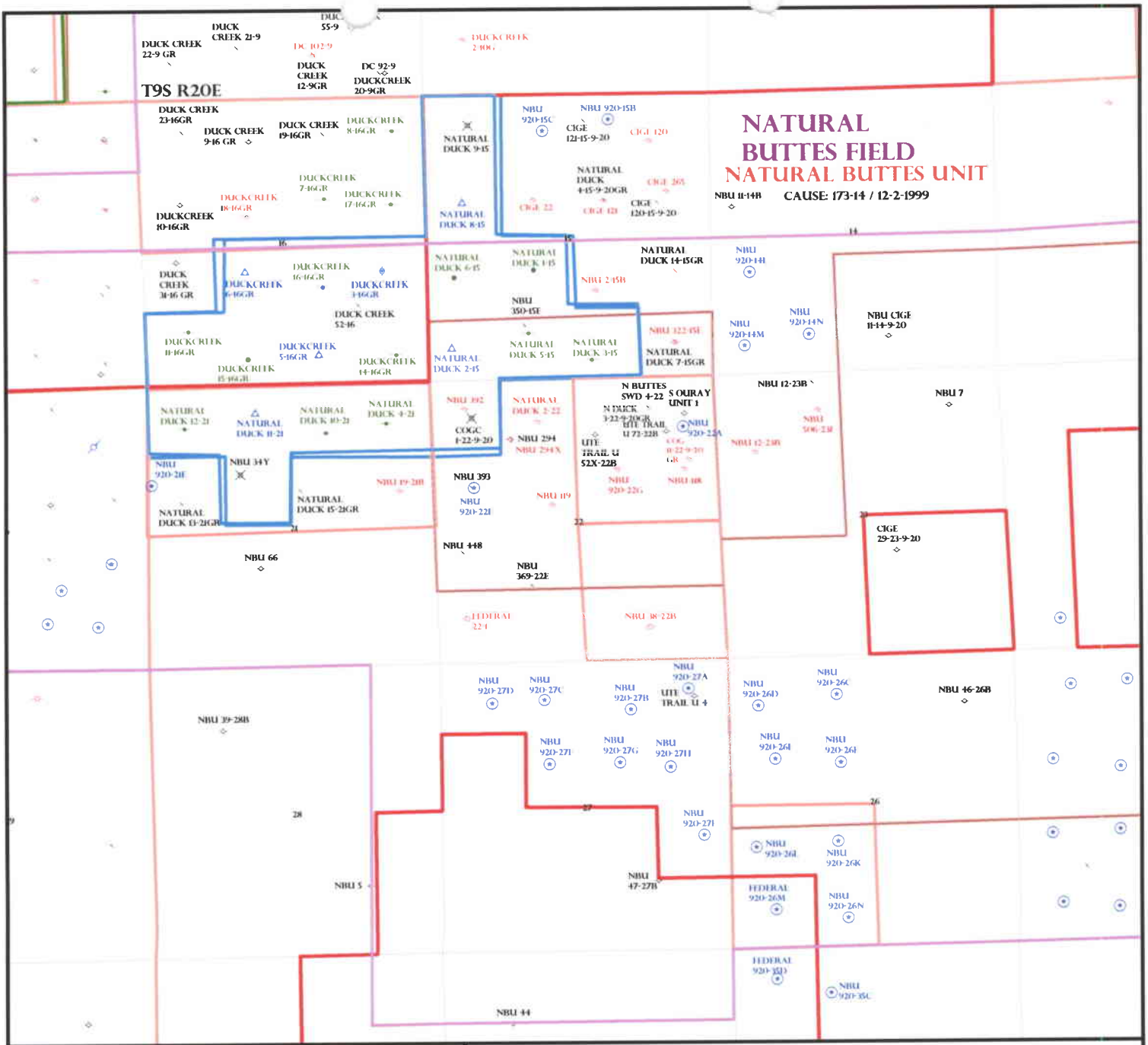
Eff Date: 12-8-99

Siting: 460' fr u bdry & uncomm. Tract

___ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval
2- Oil Shale



OPERATOR: WESTPORT O&G CO (N2115)

SEC: 14,15,21,22,27 T. 10S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N W E S

PREPARED BY: DIANA WHITNEY
DATE: 16-MARCH-2006

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 17, 2006

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-37910	NBU 1021-24I	Sec 24 T10S R21E 2272 FSL 0870 FEL
43-047-37911	NBU 1021-24C	Sec 24 T10S R21E 0626 FNL 1887 FWL
43-047-37912	NBU 1021-24B	Sec 24 T10S R21E 0905 FNL 1648 FEL
43-047-37913	NBU 1021-25G	Sec 25 T10S R21E 2445 FNL 2079 FEL
43-047-37914	NBU 1021-25H	Sec 25 T10S R21E 2377 FNL 0127 FEL
43-047-37917	NBU 1021-25E	Sec 25 T10S R21E 2301 FNL 0183 FWL
43-047-37907	NBU 1021-03L	Sec 03 T10S R21E 2618 FSL 0315 FWL
43-047-37908	NBU 1021-03D	Sec 03 T10S R21E 0285 FNL 0915 FWL
43-047-37909	NBU 1021-03H	Sec 03 T10S R21E 1884 FNL 0506 FEL
43-047-37894	NBU 920-14L	Sec 14 T09S R20E 1907 FSL 0707 FWL
43-047-37895	NBU 920-15B	Sec 15 T09S R20E 0501 FNL 1876 FEL
43-047-37896	NBU 920-15C	Sec 15 T09S R20E 0684 FNL 2181 FWL
43-047-37897	NBU 920-21E	Sec 21 T09S R20E 1851 FNL 0032 FWL
43-047-37898	NBU 920-22A	Sec 22 T09S R20E 0937 FNL 0584 FEL
43-047-37899	NBU 920-27A	Sec 27 T09S R20E 0579 FNL 0728 FEL
43-047-37900	NBU 920-27G	Sec 27 T09S R20E 1907 FNL 2023 FEL
43-047-37901	NBU 920-27F	Sec 27 T09S R20E 1888 FNL 2014 FWL
43-047-37902	NBU 920-27C	Sec 27 T09S R20E 0699 FNL 1937 FWL
43-047-37903	NBU 920-27B	Sec 27 T09S R20E 0934 FNL 1805 FEL
43-047-37904	NBU 920-27D	Sec 27 T09S R20E 0731 FNL 0971 FWL
43-047-37905	NBU 920-27I	Sec 27 T09S R20E 2152 FSL 0491 FEL
43-047-37906	NBU 920-27H	Sec 27 T09S R20E 2023 FNL 1089 FEL

Our records indicate the NBU 1021-24I and the 1021-24B are closer than 460 feet from uncommitted land within the Naturals Butte Unit. The NBU 1021-25H is located **outside** of the Natural Buttes Unit and is closer than 460 feet from the Unit Boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

March 20, 2006

Westport Oil & Gas Company, LP
1368 South 1200 East
Vernal, UT 84078

Re: Natural Buttes Unit 920-27A Well, 579' FNL, 728' FEL, NE NE, Sec. 27, T. 9 South, R. 20 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37899.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

Operator: Westport Oil & Gas Company, LP

Well Name & Number Natural Buttes Unit 920-27A

API Number: 43-047-37899

Lease: UTU-0582-A

Location: NE NE **Sec.** 27 **T.** 9 South **R.** 20 East

Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **1/6/2006**

FROM: (Old Operator):	**TO:** (New Operator):
N2115-Westport Oil & Gas Co., LP	N2995-Kerr-McGee Oil & Gas Onshore, LP
1368 South 1200 East	1368 South 1200 East
Vernal, UT 84078	Vernal, UT 84078
Phone: 1-(435) 781-7024	Phone: 1-(435) 781-7024

CA No. **Unit:** **NATURAL BUTTES UNIT**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 3/7/2006
4a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
4b. If **NO**, the operator was contacted contacted on:
5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
5c. Reports current for Production/Disposition & Sundries on: ok

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 5/15/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 5/15/2006
3. Bond information entered in RBDMS on: 5/15/2006
4. Fee/State wells attached to bond in RBDMS on: 5/16/2006
5. Injection Projects to new operator in RBDMS on:
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: CO1203
2. Indian well(s) covered by Bond Number: RLB0005239
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236

a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
The Division sent response by letter on:

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
MUTIPLE WELLS

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

9. API Well No.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SEE ATTACHED

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other CHANGE OF OPERATOR
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED
MAY 10 2006
DIV. OF OIL, GAS & MINING

BLM BOND = CO1203
BIA BOND = RLB0005239

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
RANDY BAYNE	DRILLING MANAGER
Signature	Date
Randy Bayne	May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
MUTIPLE WELLS

2. Name of Operator
WESTPORT OIL & GAS COMPANY L.P.

9. API Well No.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SEE ATTACHED

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other CHANGE OF OPERATOR
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAY 10 2006
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
BRAD LANEY	ENGINEERING SPECIALIST
Signature	Date
	May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Brad Laney		5-9-06
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Colorado State Office
2850 Youngfield Street
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:
CO922 (MM)
3106
COC017387 et. al.

March 23, 2006

NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :
1999 Broadway, Suite 3700 : Oil & Gas
Denver, CO 80202 :

Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

> Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell
Martha L. Maxwell
Land Law Examiner
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:
MMS MRM, MS 357B-1
WY, UT, NM/OK/TX, MT/ND, WY State Offices
CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357
Rider #2 to Bond WY1865
Rider #3 to Bond WY1127

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov

IN REPLY REFER TO:
3106
(UT-922)

March 27, 2006

Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of
Fluid Minerals

Enclosure
Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare
Dave Mascarenas
Susan Bauman

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires Jnovember 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
UTU-0582-A

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.
UNIT #891008900A

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NBU 920-27A

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

9. API Well No.
4304737899

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
NENE SECTION 27, T9S,R20E 579'FNL, 728'FEL LOT 1

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other RE-ROUTE PIPELINE
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

AN ON-SITE WAS CONDUCTED FOR THE SUBJECT WELL LOCATION ON 05/02/2006. IT WAS DECIDED ON THE ON-SITE INSPECTION TO RE-ROUTE THE PIPELINE. APPROXIMATELY 4,900' +/- OF 8" PROPOSED PIPELINE. FROM THE PROPOSED LOCATION TO THE L-16 COMPRESSOR.
APPROXIMATELY 5,015' +/- OF 4" PIPELINE IS PROPOSED FROM THE PROPOSED LOCATION TO THE L-16 COMPRESSOR.

PLEASE REFER TO THE ATTACHED TOPO MAP D FOR PIPELINE PLACEMENT.

RECEIVED
MAY 3 0 2006
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*
Sheila Upchego

Title
Regulatory Analyst

Signature

Date
May 24, 2006

COPY SENT TO OPERATOR
Date: 6-15-06
Initials: CHD

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Accepted by the Utah Division of Oil, Gas and Mining
Date: 6/12/06
By:

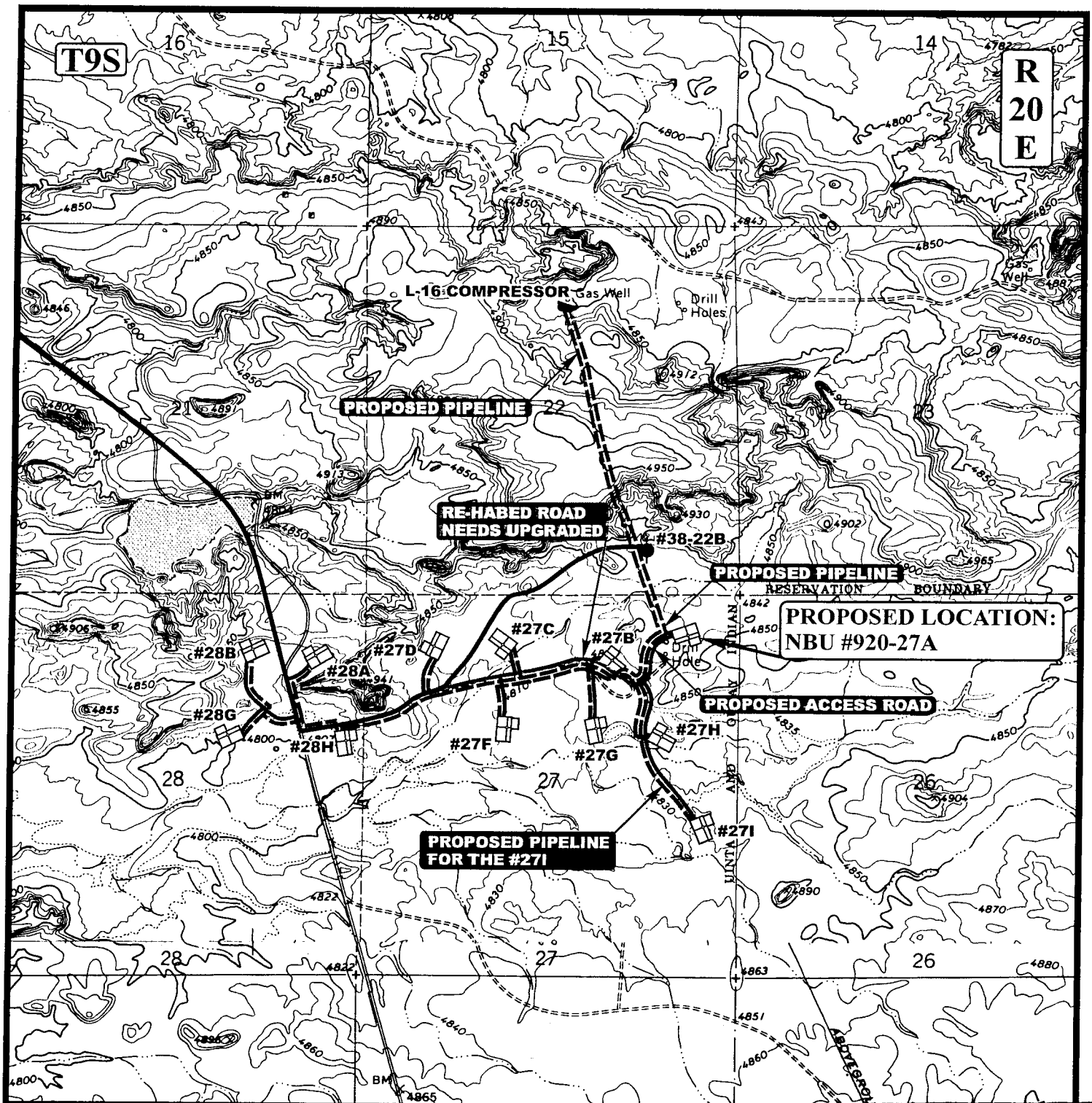
Federal Approval Of This Action Is Necessary

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



APPROXIMATE TOTAL 8" PIPELINE DISTANCE = 4,900' +/-

APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 5,015' +/-

LEGEND:

PROPOSED ACCESS ROAD
RE-HABED ROAD NEEDS UPGRADED
PROPOSED 4" PIPELINE
PROPOSED 8" PIPELINE
PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

NBU #920-27A
SECTION 27, T9S, R20E, S.L.B.&M.
579' FNL 728' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	28 DAY	05 YEAR	D TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 05-09-06		

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
UTU-0582-A

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.
NATURAL BUTTES UNIT

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NBU 920-27A

2. Name of Operator
KERR McGEE OIL AND GAS ONSHORE LP

9. API Well No.
4304737899

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
435-781-7003

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
579' FNL, 728' FEL- LOT 1
NENE, SEC 27-T9S-R20E

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other APD EXTENSION DOGM
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON MARCH 20, 2006.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 02-28-07
By: [signature]

COPY SENT TO OPERATOR
Date: 3-1-07
Initials: RM

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
RAMEY HOOPES	REGULATORY CLERK
Signature Ramey Hoopes	Date FEBURARY 20, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED
FEB 28 2007
DIV. OF OIL, GAS & MINING

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4304737899
Well Name: NBU 920-27A
Location: NENE, SEC 27-T9S-R20E
Company Permit Issued to: KERR MCGEE OIL AND GAS ONSHORE LP
Date Original Permit Issued: 3/20/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

Is bonding still in place, which covers this proposed well? Yes☑No☐

Ramey Hooper
Signature

2/20/2007
Date

Title: Regulatory Clerk

Representing: Kerr McGee Oil & Gas Onshore LP

RECEIVED
FEB 2 8 2007
DIV. OF OIL, GAS & MINING

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
UTU-0582-A

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.
UNIT #891008900A
NATURAL BUTTES UNIT

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NBU 920-27A

2. Name of Operator
KERR McGEE OIL AND GAS ONSHORE LP

9. API Well No.
4304737899

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
435.781.7024

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
NE/NE LOT 1, SEC. 27, T9S, R20E 579'FNL, 728'FEL

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other DOGM APD EXTENSION
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON MARCH 20, 2006.

Approved by the
Utah Division of
Oil, Gas and Mining

COPY SENT TO OPERATOR
Date: 2-26-2008
Initials: KS

Date: 02-25-08
By:

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
SHEILA UPCHEGO	SENIOR LAND ADMIN SPECIALIST
Signature	Date
	February 4, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
FEB 25 2008
DIV. OF OIL, GAS & MINING

(Instructions on reverse)

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4304737899
Well Name: NBU 920-27A
Location: NW/NE LOT 1, SEC. 27, T9S, R20E
Company Permit Issued to: WESTPORT OIL & GAS COMPANY
Date Original Permit Issued: 3/20/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

Is bonding still in place, which covers this proposed well? Yes☑No☐

Signature

2/4/2008
Date

Title: SENOIR LAND ADMIN SPECIALIST

Representing: KERR-McGEE OIL & GAS ONSHORE LP

RECEIVED
FEB 25 2008
DIV. OF OIL, GAS & MINING

Form 3160-3
(August 1999)

RECEIVED
MAR 0 2 2006

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: [X] DRILL [ ] REENTER	5. Lease Serial No. UTU-0582-A
	6. If Indian, Allottee or Tribe Name TRIBAL SURFACE
	7. If Unit or CA Agreement, Name and No. NATURAL BUTTES UNIT
b. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other [ ] Single Zone [X] Multiple Zone	8. Lease Name and Well No. NBU 920-27A
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP	9. API Well No. 43-047-37899
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078 / 3b. Phone No. *(include area code)* (435) 781-7003	10. Field and Pool, or Exploratory NATURAL BUTTES
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface NENE 579'FNL, 728'FEL LOT 1 At proposed prod. Zone	11. Sec., T., R., M., or Blk, and Survey or Area SECTION 27-T9S-R20E
14. Distance in miles and direction from nearest town or post office* 7.6 MILES SOUTHEAST OF OURAY, UTAH	12. County or Parish UINTAH / 13. State UTAH

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 579'	16. No. of Acres in lease 43.20	17. Spacing Unit dedicated to this well 40.00
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 10,300'	20. BLM/BIA Bond No. on file CO-1203 WY2357 WYB000291
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4850'GL	22. Approximate date work will start* UPON APPROVAL	23. Estimated duration TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature Ramey Hoopes	Name *(Printed/Typed)* RAMEY HOOPES	Date 4/27/2006
Title REGULATORY CLERK		
Approved by *(Signature)* Jerry Kenczka	Name *(Printed/Typed)* JERRY KENCZKA	Date 3-7-2008
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

RECEIVED
MAR 17 2008
DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

UDOGM

07BM4941A

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr-McGee Oil & Gas Onshore LP**	**Location:**	**NENE Lot 1, Sec. 27, T9S, R20E**
Well No:	**NBU 920-27A**	**Lease No:**	**UTU-0582-A**
API No:	**43-047-37899**	**Agreement:**	**Natural Buttes Unit**

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:		(435) 781-4475	(435) 828-4029
Supervisory NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:		(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
		Fax: (435) 781-3420	

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

UDOGM

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

Additional Stipulations

- Paleo monitoring access.

General Conditions of Approval

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.

- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.

- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.

- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.

- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.

- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.

- You are hereby notified that working under the *"umbrella"* of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.

- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.

- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.

- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.

- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.

- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.

- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.

- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Surface casing cement shall be brought up to the surface. To reach the surface, operator is required to pump additional cement beyond the stated amounts of sacks in application.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738811	BONANZA 1023-9J		NWSE	9	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	16989	7/22/2008			7/31/08	
Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD SPUD WELL LOCATION ON 07/22/2008 AT 1500 HRS							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737899	NBU 920-27A		NENE	27	9S,	20E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	7/23/2008			7/31/08	
Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD SPUD WELL LOCATION ON 07/23/2008 AT 1000 HRS							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO
Name (Please Print)
Signature
REGULATORY ANALYST
Title
7/23/2008
Date

RECEIVED
JUL 23 2008
DIV. OF OIL, GAS & MINING

(5/2000)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
UTU-0582-A

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.
UNIT #891008900A
NATURAL BUTTES UNIT

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NBU 920-27A

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

9. API Well No.
4304737899

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
NE/NE LOT. 1, SEC. 27, T9S, R20E 579'FNL, 728'FEL

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☒ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other WELL SPUD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 07/23/2008 AT 1000 HRS.

RECEIVED
JUL 28 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
SHEILA UPCHEGO	REGULATORY ANALYST
Signature	Date
	July 23, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
UTU-0582-A

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.
UNIT #891008900A
NATURAL BUTTES UNIT

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NBU 920-27A

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

9. API Well No.
4304737899

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
NE/NE LOT. 1, SEC. 27, T9S, R20E 579'FNL, 728'FEL

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☒ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other SET SURFACE CSG
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU ENSIGN RIG 83 ON 08/11/2008. DRILLED 12 1/4" SURFACE HOLE TO 2818'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/250 SX HIFILL CLASS G @11.0 PPG 3.62 YIELD. TAILED CMT W/225 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DISPLACE W/250 BBLS BUMP PLUG W/500 OVER FINAL CIRC PSI OF 500. RAN 200' OF 1" PIPE CMT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. CMT TO SURFACE HAD LEAD CMT AT SURFACE 3 BBLS TO PIT. BACK OFF LANDING JT & NIPPLE DOWN COND & NIPPLE UP BOP STACK TEST BOP DRILLING AHEAD

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*
SHEILA UPCHEGO

Title
REGULATORY ANALYST

Signature

Date
August 18, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED
AUG 20 2008
DIV. OF OIL, GAS & MINING

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires Jnovember 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
UTU-0582-A

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.
UNIT #891008900A
NATURAL BUTTES UNIT

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NBU 920-27A

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

9. API Well No.
4304737899

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
NE/NE LOT. 1, SEC. 27, T9S, R20E 579'FNL, 728'FEL

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other FINAL DRILLING OPERATIONS
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

FINISHED DRILLING FROM 2818' TO 10,475' ON 08/30/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/631 SX PREM LITE II @12.2 PPG 2.25 YIELD. TAILED CMT W/1460 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. DROP PLUG & DISPLACE W/162 BBLS WATER BUMP PLUG W/500 OVER FINAL CIRC PSI OF 2952 & PLUG HELD GOT BACK 42 BBLS CMT TO PIT. LAND CSG & TEST HEAD NIPPLE DOWN BOPS WASH AND CLEAN TANKS.

RELEASED ENSIGN RIG 83 ON 09/01/2008 AT 1200 HRS.

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*
SHEILA UPCHEGO

Title
REGULATORY ANALYST

Signature

Date
September 2, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED
SEP 09 2008
DIV. OF OIL, GAS & MINING

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
UTU-0582-A

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.
UNIT #891008900A
NATURAL BUTTES UNIT

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NBU 920-27A

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

9. API Well No.
4304737899

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
NE/NE LOT. 1, SEC. 27, T9S, R20E 579'FNL, 728'FEL

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☒ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other PRODUCTION START-UP
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 09/19/2008 AT 9:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*
SHEILA UPCHEGO

Title
REGULATORY ANALYST

Signature

Date
September 22, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED
OCT 06 2008
DIV. OF OIL, GAS & MINING

Wins No.: 94907

NBU 920-27A

Well Operations Summary Long

Operator	FIELD NAME	SPUD DATE	GL	KB	ROUTE
KERR MCGEE OIL & GAS ONSHORE LP	NATURAL BUTTES	07/23/2008	4,850	4868	

API	STATE	COUNTY	DIVISION
4304737899	UTAH	UINTAH	ROCKIES

Long/Lat.: 40.01196 / -109.64554 Q-Q/Sect/Town/Range: NENE / 27 / 9S / 20E Footages: 579.00' FNL 728.00' FEL

Wellbore: NBU 920-27A

MTD	TVD	PBMD	PBTVD
10,475	12,498		

EVENT INFORMATION:
EVENT ACTIVITY: DRILLING
OBJECTIVE: DEVELOPMENT
OBJECTIVE 2: VERTICAL WELL
REASON: DRILL PROD HOLE
START DATE: 7/23/2008
END DATE: 9/1/2008
DATE WELL STARTED PROD.:
Event End Status: COMPLETE
AFE NO.: 2020732

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
ENSIGN 83 / 83	08/11/2008	08/11/2008	08/11/2008	08/18/2008	08/30/2008	09/01/2008	09/02/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
7/23/2008	SUPERVISOR: LEW WELDON						MD: 57
	10:00 - 17:00	7.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 1000 HR 7/23/08 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 83 BLM AND STATE NOTFIED OF SPUD
7/26/2008	SUPERVISOR: LEW WELDON						MD: 1,260
	0:00 - 12:00	12.00	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 0000 HR 7/26/08 DA AT REPORT TIME 750'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1260'
7/27/2008	SUPERVISOR: LEW WELDON						MD: 1,920
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1510'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1770'
7/28/2008	SUPERVISOR: LEW WELDON						MD: 2,390
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2070'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2390'
7/29/2008	SUPERVISOR: LEW WELDON						MD: 2,760
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2520'
	12:00 - 18:00	6.00	DRLSUR	02		P	RIG DRILLED TO 2760' STUCK PIPE DUE TO RIG BREAK DOWN
	18:00 - 0:00	6.00	DRLSUR	16		Z	WORK STUCK PIPE NO SUCCSESS FREE POINT @ REPORT TIME

	18:00 - 0:00	6.00	DRLSUR	16		Z	WORK STUCK PIPE NO SUCCSESS FREE POINT @ REPORT TIME	
7/30/2008	SUPERVISOR: LEW WELDON							MD: 2,760
	0:00 - 12:00	12.00	DRLSUR	16		Z	WORK STUCK PIPE NO SUCSSES	
	12:00 - 0:00	12.00	DRLSUR	16		Z	RIH WITH FREE POINT TOOLS BACK OFF COLLARS LEAVE 4 EA 8" COLLARS AND 1 EA 6" COLLAR IN HOLE RIH WITH WASH PIPE @ REPORT TIME	
7/31/2008	SUPERVISOR: LEW WELDON							MD: 2,760
	0:00 - 22:00	22.00	DRLSUR	16		Z	RIH TAG AT 1710' WAS UNABLE TO WASH DOWN WITH WASH PIPE TOOH RIH WITH TRICONE TO WASH AND REAM WITH 11.6# MUD WAS DECIDED TO LET ENSIGN 83 FINISH FISHING FOR COLLARS	
	22:00 - 22:00	0.00	DRLSUR				REALEASE AIR RIG PIT 3/4 FULL NO VISIBLE LEAKS	
8/11/2008	SUPERVISOR: STUART NEILSON							MD: 2,760
	0:00 - 6:00	6.00	DRLPRO	01	E	P	RDRT PREPARE TO MOVE TO NBU 920-27A	
	6:00 - 18:00	12.00	DRLPRO	01	A	P	MOVE CAMPS & RIG W/ JONES TRUCKING	
	18:00 - 0:00	6.00	DRLPRO	01	A	P	IDLE	
8/12/2008	SUPERVISOR: SID ARMSTRONG							MD: 2,760
	0:00 - 0:00	24.00	DRLSUR	01	B	P	MOVED 100% & RURT	
8/13/2008	SUPERVISOR: SID ARMSTRONG							MD: 2,760
	0:00 - 12:00	12.00	DRLPRO	01	B	P	R.U.R.T	
	12:00 - 17:00	5.00	DRLPRO	13	A	P	NIPPLE UP COND. & LEVEL DERRICK & P/U KELLY & BUILD SPUD MUD & LOAD & STRAP BHA.	
	17:00 - 0:00	7.00	DRLPRO	05	A	P	P/U BHA & RUN HOLE & TORQUE KELLY INSTALL ROTHEAD & STAGE IN THE HOLE & CIRC OUT. & TOP FISH @ 2,650	
8/14/2008	SUPERVISOR: SID ARMSTRONG							MD: 2,760
	0:00 - 1:30	1.50	DRLPRO	05	A	P	TIH TAG @ 2509	
	1:30 - 2:30	1.00	DRLPRO	03	E	P	WASH F/ 2509 TO 2650 TOP OF FISH	
	2:30 - 3:00	0.50	DRLPRO	04	A	P	CIRC BTM UP	

	3:00 - 11:00	8.00	DRLPRO	05	A	P	T.O.H & P/U WASH PIPE & T.I.H & TAG @ 2520 (CIRC OUT SUFACE GAS)
	11:00 - 15:00	4.00	DRLPRO	03	E	P	WASH F/ 2520 TO 2790 & WASH OVER FISH & RAISE MUD WT TO 9.8 PPG
	15:00 - 16:00	1.00	DRLPRO	04	A	P	CIRC HOLE CLEAN
	16:00 - 23:30	7.50	DRLPRO	05	A	P	T.O.H W/ WASH PIPE & L/D WASH PIPE & P/U FISHING ASSY TO SCREW INTO FISH & T.I.H
	23:30 - 0:00	0.50	DRLPRO	04	A	P	CIRC RAISE MUD WT 10.1 PPG

8/15/2008 SUPERVISOR: SID ARMSTRONG MD: 2,818

0:00 - 2:30	2.50	DRLSUR	04	A	P	CIRC OUT GAS & RAISE WT 10.1 PPG
2:30 - 13:00	10.50	DRLSUR	05	A	P	SCREW INTO FISH & JAR FREE & T.O.H & L/D FISH & FISHING TOOLS & LOAD OUT SAME
13:00 - 15:30	2.50	DRLSUR	05	A	P	P/U BIT & T.I.H
15:30 - 18:00	2.50	DRLSUR	03	E	P	WASH TO BTM F/ 2601 TO 2791
18:00 - 20:00	2.00	DRLSUR	02	A	P	DRILL F/ 2791 TO 2818 TD SURFACE HOLE
20:00 - 21:00	1.00	DRLSUR	04	A	P	CIRC BTM UP
21:00 - 23:30	2.50	DRLSUR	05	A	P	T.O.H F/ CASING
23:30 - 0:00	0.50	DRLSUR	11	B	P	R/U CASING CREW & 9 5/8 SURFACE CASING

8/16/2008 SUPERVISOR: SID ARMSTRONG MD: 2,818

0:00 - 6:00	6.00	DRLSUR	11	B	P	R/U RUN 9 /58 CASING SET @ 2801
6:00 - 10:30	4.50	DRLSUR	04	A	P	CIRC BTM UP (NOTE: WAIT ON CEMENT BULK GET PULL OUT OF BAR DITCH
10:30 - 13:00	2.50	DRLSUR	15	A	P	R/U CEMENT HEAD & CEMENT W/ 20 BBL GEL SWEEP & F/ LEAD 250 SKS @ 11.0 PPG YIELD 3.62 & F/ TAIL 225 SKS @ 15.8 PPG YIELD 1.15 & DISPLACED W/ 250 BBLS BUMP PLUG W/ 500 OVER FINAL CIRC PSI OF 500 & RUN 1" PIPE F/ TOP JOB CEMENT W/ 100 SKS @ 15.8 PPG YIELD 1.15 & CEMENT @ SURFACE & HAD LEAD CEMENT @ SURFACE 3 BBLS TO PIT.

	13:00 - 19:00	6.00	DRLSUR	13	A	P	BACK OFF LANDING JT & NIPPLE DOWN COND. & NIPPLE UP B.O.P'S STACK
	19:00 - 0:00	5.00	DRLSUR	13	C	P	TEST B.O.P'S
8/17/2008	SUPERVISOR: SID ARMSTRONG						MD: 2,818
	0:00 - 18:00	18.00	DRLPRO	13	C	P	TEST B.O.P'S & WORK ON LEAKING FLANGES & C/O PIPE RAM RUBBERS & WORK 4" VALVES ON KOOMEY
	18:00 - 21:00	3.00	DRLPRO	05	A	P	T.I.H
	21:00 - 23:30	2.50	DRLPRO	13	D	P	C/O 4 WAY VALVES ON KOOMEY & CHARGED ALL BOTTLES
	23:30 - 0:00	0.50	DRLPRO	02	F	P	DRILL F.E
8/18/2008	SUPERVISOR: SID ARMSTRONG						MD: 4,110
	0:00 - 1:00	1.00	DRLPRO	02	F	P	DRILL F.E
	1:00 - 2:00	1.00	DRLPRO	02	B	P	DRILL F/ 2818 TO 2884 - 66' - FPH 66.0 W/ 8.4 PPG
	2:00 - 2:30	0.50	DRLPRO	09	A	P	SURVEY @ 2844 - 1.40 DEV
	2:30 - 11:00	8.50	DRLPRO	02	B	P	DRILL F/ 2884 TO 3474 - 590' - FPH 69.4 - W/ 8.5 PPG
	11:00 - 11:30	0.50	DRLPRO	09	A	P	SURVEY @ 3394 DEV 1.36
	11:30 - 15:00	3.50	DRLPRO	02	B	P	DRILL F/ 3474 TO 3660 - 186' - FPH 53.1 - W/ 8.5 PPG
	15:00 - 15:30	0.50	DRLPRO	06	A	P	SER RIG
	15:30 - 0:00	8.50	DRLPRO	02	B	P	DRILL F/ 3660 TO 4110 - 450' - 52.9 FPH
8/19/2008	SUPERVISOR: SID ARMSTRONG						MD: 5,405
	0:00 - 9:00	9.00	DRLPRO	02	B	P	DRILL F/ 4110 TO 4735 - 625' - FPH 69.4 - W/ 9.2 PPG
	9:00 - 10:00	1.00	DRLPRO	09	A	P	SURVEY @ 4735 DEV .93
	10:00 - 14:00	4.00	DRLPRO	02	B	P	DRILL F/ 4735 TO 4922 - 187' - FPH 46.75 W/ 9.2 PPG
	14:00 - 14:30	0.50	DRLPRO	06	A	P	SER RIG

	14:00 - 14:30	0.50	DRLPRO	06	A	P	SER RIG	
	14:30 - 15:30	1.00	DRLPRO	12	F	P	INSTALL PASON AUTO DRILLER	
	15:30 - 0:00	8.50	DRLPRO	02	B	P	DRILL F/ 4922 TO 5405 - 483' - FPH 56.8 W/ 9.2 PPG	
8/20/2008	SUPERVISOR: SID ARMSTRONG							MD: 6,620
	0:00 - 14:30	14.50	DRLPRO	02	B	P	DRILL F/ 5405 TO 6271 - 866' @ 59.7 FPH W/ 10.0 PPG	
	14:30 - 15:00	0.50	DRLPRO	06	A	P	SER RIG	
	15:00 - 0:00	9.00	DRLPRO	02	B	P	DRILL F/ 6271 TO 6620 - 403' @ 44.7 W/ 10.5 PPG	
8/21/2008	SUPERVISOR: SID ARMSTRONG							MD: 7,074
	0:00 - 14:30	14.50	DRLPRO	02	B	P	DRILL F/ 6620 TO 7074 - 454' @ 31.3 W/ 10.8 PPG	
	14:30 - 0:00	9.50	DRLPRO	05	A	P	T.F.N.B & WASH 60' TO BTM	
8/22/2008	SUPERVISOR: SID ARMSTRONG							MD: 7,685
	0:00 - 14:30	14.50	DRLPRO	02	B	P	DRILL F/ 7074 TO 7444 - 370' @ 25.5 FPH W/ 11.8 PPG	
	14:30 - 15:00	0.50	DRLPRO	06	A	P	SER RIG	
	15:00 - 0:00	9.00	DRLPRO	02	B	P	DRILL F/ 7444 TO 7685 - 241' @ 26.7 FPH W/ 12.0 PPG	
8/23/2008	SUPERVISOR: SID ARMSTRONG							MD: 8,115
	0:00 - 14:00	14.00	DRLPRO	02	B	P	DRILL F/ 7685 TO 7969 - 284' - @ 20.2 FPH W/ 12.1 PPG	
	14:00 - 14:30	0.50	DRLPRO	06	A	P	SER RIG	
	14:30 - 0:00	9.50	DRLPRO	02	B	P	DRILL F/ 7969 TO 8115 - 146' - @ 16.2 FPH W/ 12.1 PPG	
8/24/2008	SUPERVISOR: SID ARMSTRONG							MD: 8,582
	0:00 - 13:30	13.50	DRLPRO	02	B	P	DRILL F/ 8115 TO 8373 - 258' @ 19.1 FPH W/ 12.1 PPG	
	13:30 - 14:00	0.50	DRLPRO	06	A	P	SER RIG	
	14:00 - 0:00	10.00	DRLPRO	02	B	P	DRILL F/ 8373 TO 8582 - 209' - @ 20.9 FPH W/ 12.1 PPG	
8/25/2008	SUPERVISOR: SID ARMSTRONG							MD: 8,728
	0:00 - 7:00	7.00	DRLPRO	02	B	P	DRILL F/ 8582 TO 8712 - 130' - @ 18.5 FPH W/ 12.1 PPG	

	0:00 - 7:00	7.00	DRLPRO	02	B	P	DRILL F/ 8582 TO 8712 - 130' - @ 18.5 FPH W/ 12.1 PPG	
	7:00 - 21:30	14.50	DRLPRO	05	A	P	T.FN.B & MM & WASH 60' TO BTM (NO FILL)	
	21:30 - 0:00	2.50	DRLPRO	02	B	P	DRILL F/ 8712 TO 8728 - 16' - @ 6.4 FPH W/ 12.1 PPG	
8/26/2008	SUPERVISOR: SID ARMSTRONG							MD: 8,990
	0:00 - 2:00	2.00	DRLPRO	02	B	P	DRILL F/ 8712 TO 8747 - 35' @ 17.5 FPH W/ 12.1 PPG	
	2:00 - 13:30	11.50	DRLPRO	05	A	P	T.F.N.B & MUD MOTOR	
	13:30 - 16:30	3.00	DRLPRO	02	B	P	DRILL F/ 8747 TO 8833 - 86' - @ 28.6 FPH W/ 12.2 PPG	
	16:30 - 17:00	0.50	DRLPRO	06	A	P	SER RIG	
	17:00 - 0:00	7.00	DRLPRO	02	B	P	DRILL F/ 8833 TO 8990 - 157" - @ FPH 22.4 W/ 12.3 PPG	
8/27/2008	SUPERVISOR: SID ARMSTRONG							MD: 9,700
	0:00 - 11:30	11.50	DRLPRO	02	B	P	DRILL F/ 8990 TO 9328 - 338' @ 29.3 FPH W/ 12.3 PPG	
	11:30 - 12:00	0.50	DRLPRO	06	A	P	SER RIG	
	12:00 - 0:00	12.00	DRLPRO	02	B	P	DRILL F/ 9328 TO 9700 - 372' @ 31.0 FPH W/ 12.5 PPG	
8/28/2008	SUPERVISOR: SID ARMSTRONG							MD: 9,890
	0:00 - 10:30	10.50	DRLPRO	02	B	P	DRILL F/ 9700 TP 9873 - 173' @ 16.4 FPH W/ 12.5 PPG	
	10:30 - 23:00	12.50	DRLPRO	05	A	P	T.F.N.B. & WASH 60' TO BTM (NO FILL)	
	23:00 - 0:00	1.00	DRLPRO	02	B	P	DRILL F/ 9873 TO 9890 - 17' @ 17.0 FPH W/ 12.6 PPG	
8/29/2008	SUPERVISOR: SID ARMSTRONG							MD: 10,255
	0:00 - 12:30	12.50	DRLPRO	02	B	P	DRILL F/ 9890 TO 10069 - 179' @ 14.3 FPH W/ 12.3 PPG	
	12:30 - 13:00	0.50	DRLPRO	06	A	P	SER RIG	
	13:00 - 23:00	10.00	DRLPRO	02	B	P	DRILL F/ 10069 TO 10242 - 173' @ 17.3 W/ 12.6 PPG	
	23:00 - 23:30	0.50	DRLPRO	07	B	P	WORK ON MUD PUMPS	

	23:30 - 0:00	0.50	DRLPRO	02	B	P	DRILL F/ 10242 TO 10255 - 13.0' - @ 26.0 FPH W/ 12.7 PPG	
8/30/2008	SUPERVISOR: SID ARMSTRONG							MD: 10,475
	0:00 - 13:00	13.00	DRLPRO	02	B	P	DRILL F/ 10255 TO 10475 - 220' @ 16.9 FPH W/ 12.8 PPG	
	13:00 - 14:00	1.00	DRLPRO	04	A	P	CIRC BTM UP	
	14:00 - 16:00	2.00	DRLPRO	05	E	P	SHORT TRIP 20 STANDS	
	16:00 - 17:00	1.00	DRLPRO	04	A	P	CIRC BTM UP	
	17:00 - 0:00	7.00	DRLPRO	05	A	P	L/D D.P. & DC'S	
8/31/2008	SUPERVISOR: SID ARMSTRONG							MD: 10,475
	0:00 - 4:30	4.50	DRLPRO	05	A	P	L.D.D.P - DC'S & PULL WEAR BUSHING	
	4:30 - 13:00	8.50	DRLPRO	08	A	P	R/U BAKER ATLAS & RUN TRIPLE COMBO @ 10492 LOGGERS DEPTH	
	13:00 - 23:30	10.50	DRLPRO	11	B	P	R/U CSG CREW & RUN 4 1/2 PROD. STRING RUN 246 JTS PLUS MARKER SET @ 10463	
	23:30 - 0:00	0.50	DRLPRO	04	A	P	R/U CEMENT HEAD & CIRC BTM UP	
9/1/2008	SUPERVISOR: SID ARMSTRONG							MD: 10,475
	0:00 - 1:00	1.00	DRLPRO	04	A	P	CIRC BTM UP	
	1:00 - 4:00	3.00	DRLPRO	15	A	P	HELD SAFETY MEETING & TEST LINES 4500 PSI & CEMENT W/ 20 BBLS MUD CLEAN & 20 SKS SCAVENGER @ 11.5 PPG W/ YIELD 2.77 F/ LEAD 631 SKS @ 12.2 PPG W/ YIELD 2.25 F/ TAIL 1460 SKS @ 14.3 PPG W/ YIELD 1.31 & DROP PLUG & DISPLACED W/ 162 BBLS WATER BUMP PLUG W/ 500 OVER FINAL CIRC PSI OF 2952 & PLUG HELD & GOT BACK 42 BBLS CEMENT TO PIT,	
	4:00 - 8:00	4.00	DRLPRO	13	A	P	LAND CSG & TEST HEAD & NIPPLE DOWN B.O.P'S	
	8:00 - 12:00	4.00	DRLPRO	13	A	P	WASH & CLEAN OUT MUD TANKS & RELEASED	

Wins No.: 94907	NBU 920-27A	API No.: 4304737899

EVENT INFORMATION:	EVENT ACTIVITY: COMPLETION	START DATE: 9/11/2008	AFE NO.: 2020732
	OBJECTIVE: DEVELOPMENT	END DATE:	
	OBJECTIVE 2: ORIGINAL	DATE WELL STARTED PROD.: 7	
	REASON: MV	Event End Status:	

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
KEY 243 / 243							

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
9/11/2008	SUPERVISOR: KEN WARREN						MD:
	7:00 - 7:15	0.25	COMP	48		P	HSM. R/D & R/U
	7:15 - 17:30	10.25	COMP	47	A	P	ROAD RIG FROM NBU 922-13LT TO NBU 920-27A, MIRU SPOT EQUIP, P/U 3-7/8 MILL, TALLEY & P/U 2-3/8 L-80 TBG [179 JNTS EOT @ 5665'] SWIFN.
9/12/2008	SUPERVISOR: KEN WARREN						MD:
	7:00 - 7:30	0.50	COMP	48		P	TRIPPING TBG, ND BOPS NU FRAC VALVES.
	7:30 - 15:00	7.50	COMP	37			POOH W/ 80 JTS 2 3/8 L-80 TBG, ND BOPS NU FRAC VALVES TEST CSG TO 7500#, [STG#1] RU CUTTERS RIH PERF 10204'-10026' W/ 3 3/8" EXP GUNS, 23 GM, .36" HOLES, 4 SPF, 90 DEG PHASING, 40 HLS, RD CUTTERS, PREP TO FRAC 9/15/08. SWI SDFWE.
9/15/2008	SUPERVISOR: KEN WARREN						MD:
	7:00 - 11:45	4.75	COMP	46		Z	HSM. FRACING, WAITING ON WEATHERFORD FRAC EQUUIP, DENSOMETERS NOT REAQDING, HAD TO GET DIFFERANT FRAC CAT.
	11:45 - 17:00	5.25	COMP				OPEN WELL FRAC MESAVERDE, 10026'-10204' 40 HOLES. STG #1] WHP=1900#, BRK DN PERFS @ 3863#, INJT PSI=5157#, INJT RT=42, ISIP=3107#, FG=.74, PUMP'D 1652.1 BBLS SLK WTR W/ 57122# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3656#, FG=.80, AR=50.5, AP=5514#, MR=53.8, MP=6362#, NPI=549#, 40/40 CALC PERFS OPEN 100%. STG #2] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 9932', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, 40 HOLES. 9900'-9902', 8 HOLES, 9854'-9856' 8 HOLES, 9814'-9816 8 HOLES, 9792'-9794' 8 HOLES, 9726'-9728 8 HOLES. WHP=0#, BRK DN PERFS @ 5481#, INJ PSI=5230#, INJ RT=49.9, ISIP=3364#, FG=.78, PUMP'D 4317.3 BBLS SLK WTR W/ 149099# 30/50 MESH W/ 5000# RESIN COAT IN TAIL. ISIP=3195#, FG=.76, AR=49.2, AP=5086#, MR=50.3, MP=6997#, NPI=-169, 40/40 CALC PERFS OPEN 100%. STG #3] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 9650', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, 9618'-9620' 8 HOLES, 9540'-9544' 16 HOLES, 9484'-9488' 16 HOLES. SWIFN.
9/16/2008	SUPERVISOR: KEN WARREN						MD:
	7:00 - 7:15	0.25	COMP	48		P	HSM. FRACING,

	7:15 - 7:15	0.00	COMP	36	E	P	STG #3]FRAC MESAVERDE 9484'-9620', WHP=2850#, BRK DN PERFS @ 3964#, INNJT PSI=5300#, INJT RT=52.7, ISIP=2976#, FG=.75, PUMP'D 2341.9 BBLS SLK WTR W/ 83018# 30/50 MESH W/ 5000# RESIN COAT IN TAIL. ISIP=3265#, FG=.78, AR=53, AP=5018, MR=53.4, MP=5690#, NPI=289#, 35/40 CALC PERFS OPEN 88%. STG #4] P/U RIH W/ BKR 8K CBP & PERF GUN, SET CBP @ 9438', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, 44 HOLES. 9406'-9408' 8 HOLES, 9346'-9348' 8 HOLES, 9298'-9300' 8 HOLES, 9263'-9266' 12 HOLES, 9208'-9210' 8 HOLES. [44 HOLES] WHP=0#, BRK DN PERFS @ 3375, INJT PSI=4800#, INJT RT=51.8, ISIP=2544#, FG=.71, PUMP'D 4642.6 BBLS SLK WTR W/ 171517# 30/50 MESH W/ 5000# RESIN COAT IN TAIL. ISIP=3318#, FG=.79, AR=52, AP=4828#, MR=52.8, MP=6612#, NPI=774#, 35/44 CALC PERFS OPEN 79%. P/U RIH W/ BKR 8K CBP & SET @ 9158'. POOH R/D CUTTERS WIRE LINE & WTHRFRD FRAC EQUIP. P/U POBS W/ BIT, RIH W/ 2-3/8 TBG TAG KILL PLUG @ 9158' P/U PWR SWVL, PULL HIGH KELLEY, SWIFN.
9/18/2008	SUPERVISOR: KEN WARREN						MD:
	7:00 -			33	A		7 AM FLBK REPORT: CP 2200#, TP 2000#, 20/64" CK, 60 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 3385 BBLS LEFT TO RECOVER: 9542

Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

5. Lease Serial No.
UTU-0582-A

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. Unit or CA Agreement Name and No.
UNIT #891008900A

2. Name of Operator
KERR-MCGEE OIL & GAS ONSHORE LP

8. Lease Name and Well No.
NBU 920-27A

3. Address
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3a. Phone No. *(include area code)*
(435) 781-7024

9. API Well No.
4304737899

4. Location of Well *(Report locations clearly and in accordance with Federal requirements)* *

At surface NE/NE, LOT.1, 579'FNL, 728'FEL

10. Field and Pool, or Exploratory
NATURAL BUTTES

At top prod. interval reported below

11. Sec., T., R., M., or Block and Survey or Area SEC. 27, T9S, R20E

At total depth

12. County or Parish
UINTAH

13. State
UTAH

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
07/23/08	08/30/08	☐ D & A ☒ Ready to Prod. 09/19/08	4850'GL

18. Total Depth: MD / TVD	19. Plug Back T.D.: MD / TVD	20. Depth Bridge Plug Set: MD / TVD
10.475'	10.419'	

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL-CCL-GR

22. Was well cored? ☒ No ☐ Yes (Submit copy)
Was DST run? ☒ No ☐ Yes (Submit copy)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		2818'		575 SX			
7 7/8"	4 1/2"	11.6#		10,475'		2091 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	9681'							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	MESAVERDE	9208'	10,204'	9208'-10,204'	0.36	164	OPEN
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
9208'-10,204'	PMP 12,954 BBLS SLICK H2O & 460,756# 30/50 OTTOWA SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/19/08	10/06/08	24	→	34	3,201	310			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. 1638# SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status
18/64		2128#	→	34	3201	310		PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status
			→					

(See instructions and spaces for additional data on reverse side)

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DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1678'				
MAHOGANY	2419'				
WASATCH	5050'	8165'			
MESAVERDE	8282'	10,398'			

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
5. Core Analysis
7. Other:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* SHEILA UPCHEGO Title REGULATORY ANALYST

Signature Sheila Upchego WK Date 10/06/08

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

☼ U.S. GPO: 1999-573-624

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5. Lease Serial No.
UTU-0582-A

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit of CA/Agreement, Name and/or No.
UNIT #891008900A

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No.
NBU 920-27A

2. Name of Operator
KERR McGEE OIL & GAS ONSHORE LP

9. API Well No.
4304737899

3a. Address
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. *(include area code)*
435.781.7024

10. Field and Pool or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
NE/NE LOT. 1, SEC. 27, T9S, R20E 579'FNL, 728'FEL

11. Country or Parish, State
UINTAH COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☑ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR WILL COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATIONS.

PLEASE REFER TO THE ATACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR
Date: 2·24·2009
Initials: KS

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 02/02/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title Pet. Eng.

Date 2/17/09

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office DOGM

Federal Approval Of This Action Is Necessary

RECEIVED
FEB 04 2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

A Cause 173-14

DIV. OF OIL, GAS & MINING

Name: NBU 920-27A
Location: NE NE Sec. 27 9S 20 E
Uintah County, UT
Date: 1/19/09

ELEVATIONS: 4850 GL 4867 KB

TOTAL DEPTH: 10475 **PBTD:** 10417
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2801'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 10463'
Marker Joint **4978-4999'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES (bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS:

1678' Green River
1917' Birdsnest
2417' Mahogany
5050' Wasatch
8282' Mesaverde

Estimated T.O.C. from CBL @surface

GENERAL:

- A minimum of **18** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 08/31/08
- **7** fracturing stages required for coverage.
- Procedure calls for 8 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and ½ the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump **resin coated sand** last 5,000# of all frac stages

- Tubing Currently Landed @~9681
- Originally completed on 09/16/08

Existing Perforations:

Zone	From	To	SPF	# of Shots
Mesaverde	9208	9210	4	8
Mesaverde	9263	9266	4	12
Mesaverde	9298	9300	4	8
Mesaverde	9346	9348	4	8
Mesaverde	9406	9408	4	8
Mesaverde	9484	9488	4	16
Mesaverde	9540	9544	4	16
Mesaverde	9618	9620	4	8
Mesaverde	9726	9728	4	8
Mesaverde	9792	9794	4	8
Mesaverde	9814	9816	4	8
Mesaverde	9854	9856	4	8
Mesaverde	9900	9902	4	8
Mesaverde	10026	10028	4	8
Mesaverde	10038	10042	4	16
Mesaverde	10108	10110	4	8
Mesaverde	10202	10204	4	8

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.

2. TOOH with 2-3/8", 4.7#, N-80 tubing (currently landed at ~9681'). Visually inspect for scale and consider replacing if needed.

3. If tbg looks ok consider running a gauge ring to 9128 (50' below proposed CBP). Otherwise P/U a mill and C/O to 9128 (50' below proposed CBP).

4. Set 8000 psi CBP at ~ 9078'. Pressure test BOP and casing to 6000 psi. .

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	8800	8804	4	16
MESAVERDE	8916	8918	4	8
MESAVERDE	9008	9010	4	8
MESAVERDE	9046	9048	4	8

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8750' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

7. Set 8000 psi CBP at ~8678'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	8638	8648	4	40

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~8588' and trickle 250gal 15%HCL w/ scale inhibitor in flush. Note: Pump stage at 40 bbl/min.

9. Set 8000 psi CBP at ~7908'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7860	7864	4	16
WASATCH	7872	7878	4	24

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7810' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~7750'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7560	7562	4	8
WASATCH	7644	7648	4	16
WASATCH	7716	7720	4	16

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7510' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~7272'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7172	7178	4	24
WASATCH	7238	7242	4	16

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~7122' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~7036'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6954	6958	4	16
WASATCH	7000	7006	4	24

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~6904' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

17. Set 8000 psi CBP at ~6716'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6676	6686	4	40

18. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~6626' and flush only with recycled water.

19. Set 8000 psi CBP at~6626'.

20. TIH with 3 7/8" mill, pump-off sub, SN and tubing.

21. Mill plugs and clean out to PDTD. Land tubing at **±9700'** and pump off bit unless indicated otherwise by the well's behavior. This well will be commingled at this time.

22. RDMO

23. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.

For design questions, please call
Sarah Schaftenaar, Denver, CO
(303)-895-5883 (Cell)
(720)-929-6605 (Office)

For field implementation questions, please call
Robert Miller, Vernal, UT
4350781 7041 (Office)

NOTES:
Stage 7 cement is questionable.

Fracturing Schedules
NBU 920-27A
Slickwater Frac

Stage	Zone	Feet of Pay	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	MESAVERDE	20	8800	8904	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	28	8916	8918	4	8	0	ISIP and 5 min ISIP													56
	MESAVERDE	16	9008	9010	4	8	50	Slickwater Pad			Slickwater	12,563	12,563	299	299	16.0%	0.0%	0	0		38
	MESAVERDE	3	9046	9048	4	8	50	Slickwater Ramp	0.25	1	Slickwater	23,729	36,292	565	864	26.3%	16.7%	14,831	14,831		36
	MESAVERDE	0		No perfs			50	**SW Sweep**	0	0	Slickwater	0	36,292	0	864		0.0%	0	14,831		0
	MESAVERDE	0		No perfs			50	Slickwater Ramp	1	1.5	Slickwater	23,729	60,021	565	1,429	26.3%	33.3%	29,661	44,492		36
	MESAVERDE	0		No perfs			50	**SW Sweep**	0	0	Slickwater	**6,250**	65,271	125	1,554		0.0%	0	44,492		0
	MESAVERDE	0		No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	**3,000**	68,271	71	1,625		9.4%	3,000	47,492		0
	MESAVERDE	0		No perfs			50	Slickwater Ramp	1.5	2	Slickwater	23,729	69,000	565	2,119	26.3%	46.6%	41,526	89,018		0
	MESAVERDE	0		No perfs			50	Flush (4-1/2")				5,712	94,712	136	2,255				89,018		56
	MESAVERDE	0		No perfs				ISDP and 5 min ISDP					94,712								222
	MESAVERDE	0		No perfs																	
	MESAVERDE	0		No perfs																	
		67		**# of Perfs/stage**		**40**											gal/ft	**1,250**	**1,329**	lbs sand/ft	
							45.1	**<< Above pump time (min)**							**Flush depth**	**8760**		**CBP depth**	**8,678**		**72**
2	MESAVERDE	21	8838	8848	4	40	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	15		No perfs			0	ISIP and 5 min ISIP													
	MESAVERDE	0		No perfs			40	Slickwater Pad			Slickwater	6,750	6,750	161	161	15.0%	0.0%	0	0		20
	MESAVERDE	0		No perfs			40	Slickwater Ramp	0.25	1	Slickwater	12,750	19,500	304	464	26.3%	17.2%	7,969	7,969		19
	MESAVERDE	0		No perfs			40	**SW Sweep**	0	0	Slickwater	0	19,500	0	464		0.0%	0	7,969		0
	MESAVERDE	0		No perfs			40	Slickwater Ramp	1	1.5	Slickwater	12,750	32,250	304	768	26.3%	34.6%	15,938	23,906		19
	MESAVERDE	0					40	**SW Sweep**	0	0	Slickwater	0	32,250	0	768		0.0%	0	23,906		0
	MESAVERDE	0					40	Slickwater Ramp	0.5	1.5	Slickwater	0	32,250	0	768		0.0%	0	23,906		0
	MESAVERDE	0					40	Slickwater Ramp	1.5	2	Slickwater	12,750	45,000	304	1,071	26.3%	48.3%	22,313	46,219		0
	MESAVERDE	0					40	Flush (4-1/2")				5,606	50,606	133	1,205				46,219		51
	MESAVERDE	0						ISDP and 5 min ISDP					50,606								110
		36		**# of Perfs/stage**		**40**											gal/ft	**1,260**	**1,284**	lbs sand/ft	
							26.8	**<< Above pump time (min)**							**Flush depth**	**8588**		**CBP depth**	**7,908**		**680**
3	WASATCH	31	7860	7864	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	0	7872	7878	4	24	0	ISIP and 5 min ISIP													
	WASATCH	0					50	Slickwater Pad			Slickwater	4,418	4,418	105	105	15.0%	0.0%	0	0		13
	WASATCH	0					50	Slickwater Ramp	0.25	1	Slickwater	8,344	12,762	199	304	26.3%	17.2%	5,215	5,215		13
	WASATCH	0					50	**SW Sweep**	0	0	Slickwater	0	12,762	0	304		0.0%	0	5,215		0
	WASATCH	0					50	Slickwater Ramp	1	1.5	Slickwater	8,344	21,106	199	503	26.3%	34.6%	10,430	15,645		13
	WASATCH	0					50	**SW Sweep**	0	0	Slickwater	0	21,106	0	503		0.0%	0	15,645		0
	WASATCH	0					50	Slickwater Ramp	0.5	1.5	Slickwater	0	21,106	0	503		0.0%	0	15,645		0
	WASATCH	0					50	Slickwater Ramp	1.5	2	Slickwater	8,344	29,450	199	701	26.3%	48.3%	14,602	30,248		0
	WASATCH	0					50	Flush (4-1/2")				5,098	34,548	121	823				30,248		50
	WASATCH	0						ISDP and 5 min ISDP					34,548								89
		31		**# of Perfs/stage**		**40**											gal/ft	**960**	**976**	lbs sand/ft	
							14.0	**<< Above pump time (min)**							**Flush depth**	**7810**		**CBP depth**	**7,760**		**60**
4	WASATCH	6	7560	7562	4	8	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	9	7644	7649	4	16	0	ISIP and 5 min ISIP													
	WASATCH	5	7716	7720	4	16	50	Slickwater Pad			Slickwater	4,650	4,650	111	111	15.0%	0.0%	0	0		14
	WASATCH	0					50	Slickwater Ramp	0.25	1	Slickwater	8,783	13,433	209	320	26.3%	17.2%	5,490	5,490		13
	WASATCH	0					50	**SW Sweep**	0	0	Slickwater	0	13,433	0	320		0.0%	0	5,490		0
	WASATCH	0					50	Slickwater Ramp	1	1.5	Slickwater	8,783	22,217	209	529	26.3%	34.5%	10,979	16,469		13
	WASATCH	0					50	**SW Sweep**	0	0	Slickwater	0	22,217	0	529		0.0%	0	16,469		0
	WASATCH	0					50	Slickwater Ramp	0.5	1.5	Slickwater	0	22,217	0	529		0.0%	0	16,469		0
	WASATCH	0					50	Slickwater Ramp	1.5	2	Slickwater	8,783	31,000	209	738	26.3%	48.3%	15,371	31,840		0
	WASATCH	0					50	Flush (4-1/2")				4,903	35,903	117	855				31,840		47
	WASATCH	0						ISDP and 5 min ISDP					35,903								88
		20		**# of Perfs/stage**		**40**											gal/ft	**1,550**	**1,592**	lbs sand/ft	
							14.8	**<< Above pump time (min)**							**Flush depth**	**7610**		**CBP depth**	**7,272**		**230**
5	WASATCH	20	7172	7178	4	24	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	10	7236	7242	4	16	0	ISIP and 5 min ISIP													
	WASATCH	0					50	Slickwater Pad			Slickwater	8,325	8,325	198	198	15.0%	0.0%	0	0		25
	WASATCH	0					50	Slickwater Ramp	0.25	1	Slickwater	15,725	24,050	374	573	26.3%	17.2%	9,828	9,828		24
	WASATCH	0					50	**SW Sweep**	0	0	Slickwater	0	24,050	0	573		0.0%	0	9,828		0
	WASATCH	0					50	Slickwater Ramp	1	1.5	Slickwater	15,725	39,775	374	947	26.3%	34.5%	19,656	29,484		24
	WASATCH	0					50	**SW Sweep**	0	0	Slickwater	0	39,775	0	947		0.0%	0	29,484		0
	WASATCH	0					50	Slickwater Ramp	0.5	1.5	Slickwater	0	39,775	0	947		0.0%	0	29,484		0
	WASATCH	0					50	Slickwater Ramp	1.5	2	Slickwater	15,725	55,500	374	1,321	26.3%	49.3%	27,519	57,003		0
	WASATCH	0					50	Flush (4-1/2")				4,649	60,149	111	1,432				57,003		46
	WASATCH	0						ISDP and 5 min ISDP					60,149								116
		30		**# of Perfs/stage**		**40**											gal/ft	**1,850**	**1,900**	lbs sand/ft	
							26.4	**<< Above pump time (min)**							**Flush depth**	**7122**		**CBP depth**	**7,036**		**86**
6	WASATCH	6	6954	6958	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	16	7000	7006	4	24	0	ISIP and 5 min ISIP													
	WASATCH	0		No perfs			50	Slickwater Pad			Slickwater	3,300	3,300	79	79	15.0%	0.0%	0	0		10
	WASATCH	0					50	Slickwater Ramp	0.25	1	Slickwater	6,233	9,533	148	227	26.3%	17.2%	3,896	3,896		9
	WASATCH	0					50	**SW Sweep**	0	0	Slickwater	0	9,533	0	227		0.0%	0	3,896		0
	WASATCH	0					50	Slickwater Ramp	1	1.5	Slickwater	6,233	15,767	148	375	26.3%	34.5%	7,792	11,688		9
	WASATCH	0					50	**SW Sweep**	0	0	Slickwater	0	15,767	0	375		0.0%	0	11,688		0
	WASATCH	0					50	Slickwater Ramp	0.5	1.5	Slickwater	0	15,767	0	375		0.0%	0	11,688		0
	WASATCH	0					50	Slickwater Ramp	1.5	2	Slickwater	6,233	22,000	148	524	26.3%	49.3%	10,908	22,596		0
	WASATCH	0					50	Flush (4-1/2")				4,507	26,507	107	631				22,596		44
	WASATCH	0						ISDP and 5 min ISDP					26,507								72
		22		**# of Perfs/stage**		**40**											gal/ft	**1,000**	**1,027**	lbs sand/ft	
							10.5								**Flush depth**	**6904**		**CBP depth**	**6,716**		**188**
7	WASATCH	30	6676	6686	4	40	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	0		No perfs			0	ISIP and 5 min ISIP													
	WASATCH	0		No perfs			50	Slickwater Pad			Slickwater	4,500	4,500	107	107	15.0%	0.0%	0	0		14
	WASATCH	0					50	Slickwater Ramp	0.25	1	Slickwater	8,500	13,000	202	310	26.3%	17.2%	5,313	5,313		13
	WASATCH	0					50	**SW Sweep**	0	0	Slickwater	0	13,000	0	310		0.0%	0	5,313		0
	WASATCH	0					50	Slickwater Ramp	1	1.5	Slickwater	8,500	21,500	202	512	26.3%	34.6%	10,625	15,938		13
	WASATCH	0					50	**SW Sweep**	0	0	Slickwater	0	21,500	0	512		0.0%	0	15,938		0
	WASATCH	0					50	Slickwater Ramp	0.5	1.5	Slickwater	0	21,500	0	512		0.0%	0	15,938		0
	WASATCH	0					50	Slickwater Ramp	1.5	2	Slickwater	8,500	30,000	202	714	26.3%	48.3%	14,875	30,813		0
	WASATCH	0					50	Flush (4-1/2")				4,325	34,325	103	817				30,813		0
	WASATCH	0						ISDP and 5 min ISDP					34,325								39
		30		**# of Perfs/stage**		**40**											gal/ft	**1,000**	**1,027**	lbs sand/ft	
							14.3								**Flush depth**	**6626**		**CBP depth**	**6,626**		**0**
	Totals	**236**				**280**					**Total Fluid**	**331,848**	**gals**		**8,018**	**bbls**		**Total Sand**	**307,736**		LOOK
												7,901	**bbls**								
							25								**17.8**	**tanks**				**Total Scale Inhib. =**	**737**

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	MESAVERDE	8800	8804	4	16		8788	to	8808
	MESAVERDE	8916	8918	4	8		8890	to	8918
	MESAVERDE	9008	9010	4	8		9004	to	9020
	MESAVERDE	9046	9048	4	8		9045	to	9048
	MESAVERDE		No perfs						
	MESAVERDE		No perfs						
	MESAVERDE		No perfs						
	MESAVERDE		No perfs						
	MESAVERDE		No perfs						
	MESAVERDE		No perfs						
	MESAVERDE		No perfs						
	MESAVERDE		No perfs						
	MESAVERDE		No perfs						
	# of Perfs/stage				40		CBP DEPTH	8,678	
2	MESAVERDE	8638	8648	4	40		8570	to	8591
	MESAVERDE		No perfs				8635	to	8650
	MESAVERDE		No perfs						
	MESAVERDE		No perfs						
	MESAVERDE		No perfs						
	MESAVERDE		No perfs						
	# of Perfs/stage				40		CBP DEPTH	7,908	
3	WASATCH	7860	7864	4	16		7850	to	7881
	WASATCH	7872	7878	4	24				
	# of Perfs/stage				40		CBP DEPTH	7,750	
4	WASATCH	7560	7562	4	8		7558	to	7564
	WASATCH	7644	7648	4	16		7643	to	7652
	WASATCH	7716	7720	4	16		7715	to	7720
	# of Perfs/stage				40		CBP DEPTH	7,272	
5	WASATCH	7172	7178	4	24		7168	to	7188
	WASATCH	7238	7242	4	16		7234	to	7244
	# of Perfs/stage				40		CBP DEPTH	7,036	
6	WASATCH	6954	6958	4	16		6952	to	6958
	WASATCH	7000	7006	4	24		6991	to	7007
	WASATCH		No perfs						
	# of Perfs/stage				40		CBP DEPTH	6,716	
7	WASATCH	6676	6686	4	40		6668	to	6698
	WASATCH		No perfs						
	WASATCH		No perfs						
	# of Perfs/stage				40		CBP DEPTH	6,626	
	Totals				280				

Fracturing Schedules
NBU 920-27A
Slickwater Frac

Stage	Zone	Feet of Pay	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	MESAVERDE	20	8800	8804	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	28	8916	8918	4	8	0	ISIP and 5 min ISIP													56
	MESAVERDE	16	9008	9010	4	8	50	Slickwater Pad			Slickwater	12,563	12,563	299	299	15.0%	0.0%	0	0		38
	MESAVERDE	3	9046	9048	4	8	50	Slickwater Ramp	0.25	1	Slickwater	23,729	36,292	565	864	28.3%	16.7%	14,831	14,831		36
	MESAVERDE	0		No perfs			50	SW Sweep	0	0	Slickwater	0	36,292	0	864		0.0%	0	14,831		0
	MESAVERDE	0		No perfs			50	Slickwater Ramp	1	1.5	Slickwater	23,729	60,021	565	1,429	28.3%	33.3%	29,661	44,492		36
	MESAVERDE	0		No perfs			50	SW Sweep	0	0	Slickwater	5,250	65,271	125	1,554		0.0%	0	44,492		0
	MESAVERDE	0		No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	3,000	68,271	71	1,625		3.4%	3,000	47,492		0
	MESAVERDE	0		No perfs			50	Slickwater Ramp	1.5	2	Slickwater	23,729	89,000	565	2,119	28.3%	46.6%	41,526	89,018		0
	MESAVERDE	0		No perfs			50	Flush (4-1/2")				5,712	94,712	136	2,255				89,018		56
	MESAVERDE	0		No perfs				ISDP and 5 min ISDP					94,712								222
	MESAVERDE	0		No perfs																	
	MESAVERDE	0		No perfs																	
		67		# of Perfs/stage		40											gal/ft	1,250	1,329	lbs sand/ft	
							45.1	<< Above pump time (min)							Flush depth	8750		CBP depth	8,678	72	
2	MESAVERDE	21	8638	8648	4	40	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	15		No perfs			0	ISIP and 5 min ISIP													
	MESAVERDE	0		No perfs			40	Slickwater Pad			Slickwater	6,750	6,750	161	161	15.0%	0.0%	0	0		20
	MESAVERDE	0		No perfs			40	Slickwater Ramp	0.25	1	Slickwater	12,750	19,500	304	464	28.3%	17.2%	7,969	7,969		19
	MESAVERDE	0		No perfs			40	SW Sweep	0	0	Slickwater	0	19,500	0	464		0.0%	0	7,969		0
	MESAVERDE	0		No perfs			40	Slickwater Ramp	1	1.5	Slickwater	12,750	32,250	304	768	28.3%	34.5%	15,938	23,906		19
	MESAVERDE	0					40	SW Sweep	0	0	Slickwater	0	32,250	0	768		0.0%	0	23,906		0
	MESAVERDE	0					40	Slickwater Ramp	0.5	1.5	Slickwater	0	32,250	0	768		0.0%	0	23,906		0
	MESAVERDE	0					40	Slickwater Ramp	1.5	2	Slickwater	12,750	45,000	304	1,071	28.3%	48.3%	22,313	46,219		0
	MESAVERDE	0					40	Flush (4-1/2")				5,606	50,606	133	1,205				46,219		51
	MESAVERDE	0						ISDP and 5 min ISDP					50,606								110
		36		# of Perfs/stage		40											gal/ft	1,250	1,284	lbs sand/ft	
							26.8	<< Above pump time (min)							Flush depth	8588		CBP depth	7,908	689	
3	WASATCH	31	7860	7864	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	0	7872	7878	4	24	0	ISIP and 5 min ISIP													
	WASATCH	0					50	Slickwater Pad			Slickwater	4,418	4,418	105	105	15.0%	0.0%	0	0		13
	WASATCH	0					50	Slickwater Ramp	0.25	1	Slickwater	8,344	12,762	199	304	28.3%	17.2%	5,215	5,215		13
	WASATCH	0					50	SW Sweep	0	0	Slickwater	0	12,762	0	304		0.0%	0	5,215		0
	WASATCH	0					50	Slickwater Ramp	1	1.5	Slickwater	8,344	21,106	199	503	28.3%	34.5%	10,430	15,645		13
	WASATCH	0					50	SW Sweep	0	0	Slickwater	0	21,106	0	503		0.0%	0	15,645		0
	WASATCH	0					50	Slickwater Ramp	0.5	1.5	Slickwater	0	21,106	0	503		0.0%	0	15,645		0
	WASATCH	0					50	Slickwater Ramp	1.5	2	Slickwater	8,344	29,450	199	701	28.3%	48.3%	14,602	30,248		0
	WASATCH	0					50	Flush (4-1/2")				5,098	34,548	121	823				30,248		50
	WASATCH	0						ISDP and 5 min ISDP					34,548								89
		31		# of Perfs/stage		40											gal/ft	950	976	lbs sand/ft	
							14.0	<< Above pump time (min)							Flush depth	7810		CBP depth	7,750	60	
4	WASATCH	6	7560	7562	4	8	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	9	7644	7648	4	16	0	ISIP and 5 min ISIP													
	WASATCH	5	7716	7720	4	16	50	Slickwater Pad			Slickwater	4,650	4,650	111	111	15.0%	0.0%	0	0		14
	WASATCH	0					50	Slickwater Ramp	0.25	1	Slickwater	8,783	13,433	209	320	28.3%	17.2%	5,490	5,490		13
	WASATCH	0					50	SW Sweep	0	0	Slickwater	0	13,433	0	320		0.0%	0	5,490		0
	WASATCH	0					50	Slickwater Ramp	1	1.5	Slickwater	8,783	22,217	209	529	28.3%	34.5%	10,979	16,469		13
	WASATCH	0					50	SW Sweep	0	0	Slickwater	0	22,217	0	529		0.0%	0	16,469		0
	WASATCH	0					50	Slickwater Ramp	0.5	1.5	Slickwater	0	22,217	0	529		0.0%	0	16,469		0
	WASATCH	0					50	Slickwater Ramp	1.5	2	Slickwater	8,783	31,000	209	738	28.3%	48.3%	15,371	31,840		0
	WASATCH	0					50	Flush (4-1/2")				4,903	35,903	117	855				31,840		47
	WASATCH	0						ISDP and 5 min ISDP					35,903								88
		20		# of Perfs/stage		40											gal/ft	1,550	1,592	lbs sand/ft	
							14.8	<< Above pump time (min)							Flush depth	7510		CBP depth	7,272	238	
5	WASATCH	20	7172	7178	4	24	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	10	7238	7242	4	16	0	ISIP and 5 min ISIP													
	WASATCH	0					50	Slickwater Pad			Slickwater	8,325	8,325	198	198	15.0%	0.0%	0	0		25
	WASATCH	0					50	Slickwater Ramp	0.25	1	Slickwater	15,725	24,050	374	573	28.3%	17.2%	9,828	9,828		24
	WASATCH	0					50	SW Sweep	0	0	Slickwater	0	24,050	0	573		0.0%	0	9,828		0
	WASATCH	0					50	Slickwater Ramp	1	1.5	Slickwater	15,725	39,775	374	947	28.3%	34.5%	19,656	29,484		24
	WASATCH	0					50	SW Sweep	0	0	Slickwater	0	39,775	0	947		0.0%	0	29,484		0
	WASATCH	0					50	Slickwater Ramp	0.5	1.5	Slickwater	0	39,775	0	947		0.0%	0	29,484		0
	WASATCH	0					50	Slickwater Ramp	1.5	2	Slickwater	15,725	55,500	374	1,321	28.3%	48.3%	27,519	57,003		0
	WASATCH	0					50	Flush (4-1/2")				4,649	60,149	111	1,432				57,003		46
	WASATCH	0						ISDP and 5 min ISDP					60,149								118
		30		# of Perfs/stage		40											gal/ft	1,850	1,900	lbs sand/ft	
							26.4	<< Above pump time (min)							Flush depth	7122		CBP depth	7,036	86	
6	WASATCH	6	6954	6958	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	16	7000	7006	4	24	0	ISIP and 5 min ISIP													
	WASATCH	0		No perfs			50	Slickwater Pad			Slickwater	3,300	3,300	79	79	15.0%	0.0%	0	0		10
	WASATCH	0					50	Slickwater Ramp	0.25	1	Slickwater	6,233	9,533	148	227	28.3%	17.2%	3,896	3,896		9
	WASATCH	0					50	SW Sweep	0	0	Slickwater	0	9,533	0	227		0.0%	0	3,896		0
	WASATCH	0					50	Slickwater Ramp	1	1.5	Slickwater	6,233	15,767	148	375	28.3%	34.5%	7,792	11,688		9
	WASATCH	0					50	SW Sweep	0	0	Slickwater	0	15,767	0	375		0.0%	0	11,688		0
	WASATCH	0					50	Slickwater Ramp	0.5	1.5	Slickwater	0	15,767	0	375		0.0%	0	11,688		0
	WASATCH	0					50	Slickwater Ramp	1.5	2	Slickwater	6,233	22,000	148	524	28.3%	48.3%	10,908	22,596		0
	WASATCH	0					50	Flush (4-1/2")				4,507	26,507	107	631				22,596		44
	WASATCH	0						ISDP and 5 min ISDP					26,507								72
		22		# of Perfs/stage		40											gal/ft	1,000	1,027	lbs sand/ft	
							10.5								Flush depth	6904		CBP depth	6,716	188	
7	WASATCH	30	6676	6686	4	40	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	0		No perfs			0	ISIP and 5 min ISIP													
	WASATCH	0		No perfs			50	Slickwater Pad			Slickwater	4,500	4,500	107	107	15.0%	0.0%	0	0		14
	WASATCH	0					50	Slickwater Ramp	0.25	1	Slickwater	8,500	13,000	202	310	28.3%	17.2%	5,313	5,313		13
	WASATCH	0					50	SW Sweep	0	0	Slickwater	0	13,000	0	310		0.0%	0	5,313		0
	WASATCH	0					50	Slickwater Ramp	1	1.5	Slickwater	8,500	21,500	202	512	28.3%	34.5%	10,625	15,938		13
	WASATCH	0					50	SW Sweep	0	0	Slickwater	0	21,500	0	512		0.0%	0	15,938		0
	WASATCH	0					50	Slickwater Ramp	0.5	1.5	Slickwater	0	21,500	0	512		0.0%	0	15,938		0
	WASATCH	0					50	Slickwater Ramp	1.5	2	Slickwater	8,500	30,000	202	714	28.3%	48.3%	14,875	30,813		0
	WASATCH	0					50	Flush (4-1/2")				4,325	34,325	103	817				30,813		0
	WASATCH	0						ISDP and 5 min ISDP					34,325								39
		30		# of Perfs/stage		40											gal/ft	1,000	1,027	lbs sand/ft	
							14.3								Flush depth	6626		CBP depth	5,626	0	LOOK
	Totals	236				280						Total Fluid	331,848	gals	8,018	bbls		Total Sand		307,736	
							2.5						7,901	bbls	17.8	tanks				Total Scale Inhib. =	737

3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5. Lease Serial No.
UTU-0582-A

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit of CA/Agreement, Name and/or No.
UNIT #891008900A

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No.
NBU 920-27A

2. Name of Operator
KERR McGEE OIL & GAS ONSHORE LP

9. API Well No.
4304737899

3a. Address
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. *(include area code)*
435.781.7024

10. Field and Pool or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
NE/NE LOT. 1, SEC. 27, T9S, R20E 579'FNL, 728'FEL

11. Country or Parish, State
UINTAH COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☑ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

THE OPERATOR HAS PERFORMED THE RECOMPLETION ON THE SUBJECT WELL LOCATION.
THE OPERATOR HAS COMPLETED THE NEWLY WASATCH AND MESAVERDE FORMATIONS, AND HAS COMMINGLED THE NEWLY WASATCH AND MESAVERDE FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATIONS.
THE OPERATOR HAS PLACED THE SUBJECT WELL LOCATION ON PRODUCTION ON 03/29/2009 AT 11:00 AM.

PLEASE REFER TO THE ATACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 04/02/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED
APR 20 2009
DIV OF OIL, GAS & MINING

ROCKIES

Operation Summary Report

Well: NBU 920-27A	Spud Conductor: 7/23/2008	Spud Date: 7/26/2008
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1
Event: RECOMPLETION	Start Date: 3/23/2009	End Date: 3/26/2009
Active Datum: RKB @4,868.00ft (above Mean Sea Level)	UWI: NBU 920-27A	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
3/20/2009	7:00 - 7:30	0.50	COMP	48		P		HSM.
	7:30 - 15:00	7.50	COMP	30	A	P		RD RIG. RACK OUT EQUIP. ROAD RIG F/ BON 1023-5B T/ THE NBU 920-27A. MIRU RIG, SPOT EQUIP. RU PUMP & LINES. PREP T/ POOH W/ TBG MONDAY.
3/23/2009	7:00 - 7:30	0.50	COMP	48		P		HSM.
	7:30 - 15:00	7.50	COMP	31	I	P		FWP 80#. BLOW WELL DOWN T/ PROD TANK. RIG PUMP T/ TBG. PUMP 20 BBLS 2% KCL T/ CONT TBG. NDWH, NU BOP. RIG PUMP T/ CSG, PUMP 30 BBLS T/ CONT CSG. UNLAND TBG. LD TBG HNGR. POOH, STDING BACK 304 JTS 2 3/8, L-80 & LD 2 BAD JTS 2 3/8, L-80. LD XN-NIPPLE & POBS. ND BOP, NU FRAC VALVES. PREP T/ W.L. IN THE :AM. SWI, PUT DOWN SALES LINE. SDFN.
								PUMP TOTAL LOAD OF 150 BBLS 2% KCL.
3/24/2009	7:00 - 7:30	0.50	COMP	48		P		HSM.

Operation Summary Report

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Active Datum: RKB @4,868.00ft (above Mean Sea Level)	UWI: NBU 920-27A	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 18:30	11.00	COMP	34	H	P		FWP 200#. MIRU SCHLUMBERGER W.L. PU 4 1/2 GR. OPEN WELL. RIH T/ TAG @ 9260' +/-, FELL THROUGH. (SET OF OLD PERF F/ 9263'-66') CONT RIH TAG @ 9860' +/-, FELL THROUGH. (OLD PERF @ 9854'-56') CONT RIH T/ 10,210'. (BTM PERF 10,204'.) X-OVER POOH. LD 4 1/2 GR. PU 4 1/2, 10K WEATHERFORD CBP. RIH T/ 9078' & SET 10K CBP. POOH. BLOW WELL DOWN T/ FBT. RIG PUMP T/ CSG VALVE. FILL CSG W/ 130 BBLS 2% KCL, PSI T/ 3500# W/ RIG PUMP. MIRU B&C QUICK TEST. CONT PSI TEST W/ B&C T/ 5000# & THEN PSI LINE LEVELED OUT. SD. LOOK FOR LEAKS. FOUND SIDE VALVES WERE LEAKING T/ FLOW BACK TANK. BLEAD OFF PSI. CALL FOR NEW SIDE VALVES. ND OUTSIDE SIDE VALVE, INSTALL NEW VALVE & REPLACE GATE IN #2 SIDE VALVE. W/ RIG PUMP, PSI T/ 3500#, CONT PSI TEST W/ B&C T/ 6200#. GOOD TEST. BLEED OFF PSI T/ FLOW BACK TANK. RDMO B&C QUICK TEST. MIRU WEATHERFORD FRAC SERV. STG 1)PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF F/ 9046'-48', 4 SPF, 8 HOLES. 9008'-10', 4 SPF, 8 HOLES. 8916'-18', 4 SPF, 8 HOLES. 8800'-04', 4 SPF, 16 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 0#. BEG PUMP, BRK @ 5409# @ 6.4 BPM. SD ISIP 2636#, FG .74. BEG FRAC, PUMP 84,100# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 3352#, FG .74. SWI, X-OVER FOR W.L.. STG 2)PU 4 1/2, 8K WEATHERFORD CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET 8K WEATHERFORD CBP @ 8678' P/U PERF F/ 8638'-48', 4 SPF, 40 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 2100#. BEG PUMP, BRK @ 5639# @ 6.6 BPM. SD ISIP 3195#, FG .81. BEG FRAC, PUMP 42,196# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 3294#, FG .82. SWI, X-OVER FOR W.L.. STG 3)PU 4 1/2, 8K WEATHERFORD CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7924', P/U PERF F/ 7872'-78', 4 SPF, 24 HOLES. 7860'-64', 4 SPF, 16 HOLES. POOH. SWI, PREP T/ FRAC IN THE :AM.
3/25/2009	7:00 - 7:30	0.50	COMP	48		P		HSM.

Operation Summary Report

Well: NBU 920-27A	Spud Conductor: 7/23/2008	Spud Date: 7/26/2008
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1
Event: RECOMPLETION	Start Date: 3/23/2009	End Date: 3/26/2009
Active Datum: RKB @4,868.00ft (above Mean Sea Level)	UWI: NBU 920-27A	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	36	B	P		OPEN WELL 1740#. STG 3)BEG PUMP. BRK @ 3070# @ 6.4 BPM. SD ISIP 2051#, FG .70. BEG FRAC, PUMP 25,352# 30/50 WHITE & TAIL IN W/ 5,000# 30/50 TLC. SD ISIP 3241#, FG .86. X- OVER FOR W.L.. STG 4)PU 4 1/2, 8K WEATHERFORD CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. WHILE RIH COULD NOT GET SEAL. 1 HR 10MIN T/ GET T/ SHOOTING DEPTH. SET CBP @ 7758' P/U PERF F/ 7716'-20', 4 SPF, 16 HOLES. ATTM T/ SHOOT 2ND 4' GUN, GUN WOULD NOT SHOOT. TRY T/ SHOOT 3 TIMES. GUN WOULD NOT SHOOT. POOH. PULL GUN APPART FOUND WIRE HAD BEEN PINCHED AFTER SHOOTING 1ST 4' GUN. MAKE REPAIR T/ GUN. RIH PERF F/ 7644'-48', 4 SPF, 16 HOLES. 7560'-62', 4 SPF, 8 HOLES. POOH. X-OVER FOR FRAC CREW. (((TURN WELL OVER T/ SHOOT STG # 4 @ 7:20 AM, TURN WELL OVER T/ FRAC CREW T/ FRAC STG 4 @ 10:30 AM. STG 5)PU 4 1/2, 8K WEATHERFORD CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7272' P/U PERF F/ 7238'-42', 4 SPF, 16 HOLES. 7172'-78', 4 SPF, 24 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 1700#. BEG PUMP, BRK @ 4605# @ 4.9 BPM. SD ISIP 2936#, FG . 85. BEG FRAC, PUMP 52,152# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 3027#, FG .86. X-OVER FOR W.L. STG 6)PU 4 1/2, 8K WEATHERFORD CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7036' P/U PERF F/ 7006'-00', 4 SPF, 24 HOLES. 6954'-58', 4 SPF, 16 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 850#. BEG PUMP, BRK @ 4464# @ 5.2 BPM. SD ISIP 2782#, FG .84. BEG FRAC, PUMP 17,497# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2867#, FG .85. X-OVER FOR W.L.. STG 7)PU 4 1/2, 8K WEATHERFORD CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6716' P/U PERF F/ 6676'-86', 4 SPF, 40 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 1363#. BEG PUMP, BRK @ 4069# @ 4.6 BPM. SD ISIP 2535#, FG .82. BEG FRAC, PUMP 49,769# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2722#, FG .85. X-OVER FOR W.L. PU 4 1/2, 8K WEATHERFORD CBP. RIH SET CBP @ 6654'. POOH. RDMO WEATHERFORD FRAC SERV & SCHLUMBERGER W.L.. BLEED OFF WELL PSI. ND FRAC VALVES, NU BOP. RU TBG EQUIP. PREP T/ TIH W/ CO TOOLS IN THE :AM. SWI. SDFN.
3/26/2009	7:00 - 7:30	0.50	COMP	48		P		HSM

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Event: RECOMPLETION	Start Date: 3/23/2009	End Date: 3/26/2009
Active Datum: RKB @4,868.00ft (above Mean Sea Level)	UWI: NBU 920-27A	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	44	C	P		OPEN WELL 0#. PU 3 7/8 BIT + X-DART + BOPS + XN-NIPPLE (1.875). RIH W/ 210 JTS 2 3/8, J-55 TBG & TAG KILL PLUG. RU DRL EQUIP & PUMP & LINES. BRK CONV CIRC, BEG DRL OUT. CBP 1)TAG KILL PLUG @ 6654'. DRL OUT CBP @ 6654' IN 18 MIN, 1300# PSI INCR. CONT RIH. CBP 2)TAG FILL @ 6687' =30' OF SAND, CO SAND, DRL OUT CBP @ 6717' IN 50 MIN. 800# INCR, CONT RIH. CBP 3)TAG FILL @ 7006' =30' OF SAND, CO SAND, DRL OUT CBP @ 7036' IN 35 MIN, 750# INCR. CONT RIH. CBP 4)TAG FILL @ 7257' =20' SAND, CO SAND, DRL OUT CBP @ 7277' IN 20 MIN. 1000# INCR. CONT RIH. CBP 5)TAG FILL @ 7743' =15' SAND. CO SAND, DRL OUT CBP @ 7758' IN 10 MIN. 1050# INCR. CONT RIH. CBP 6)TAG FILL @ 7894' =30' SAND. CO SAND, DRL OUT CBP @ 7924' IN 9 MIN, 1000# INCR. CONT RIH T/ 8183' LET WELL CLEAN UP FOR 30 MIN. SWI DUE T/ HIGH WINDS.
3/27/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. LANDING TBG, PSI BETWEEN WASHINGTON HEAD & PIPE RAMS
	7:30 - 17:00	9.50	COMP	44	C	P		OPEN WELL 2000#. BLOW WELL DOWN T/ 300# IN 15 MIN. CONT RIH T/ CBP 7 @ 8678'. CBP 7)TAG FILL @ 8648' =30' SAND, CO SAND, DRL OUT CBP @ 8678' IN 8 MIN, 800# INCR. CONT RIH. CBP 8)TAG BTM OF 7TH CBP @ 9023'. MILLED FOR 1 HR, FELL FREE. CO 55' OF SAND T/ 8TH CBP @ 9078' CIRC WELL FOR 10 MIN T/ GET SAND T/ SUFACE. DRL OUT CBP IN 5 MIN NO PSI INCR. CONT RIH TAG @ 10224' DRL 1 HR MADE NO HOLE. CIRC WELL CLEAN. RD DRL EQUIP. X-OVER POOH, LD 19 JTS 2 3/8, J-55 TBG. PU 4 1/16 TBG HNGR & LAND W/ KB 17.00 4 1/16 HNGR .83 306 JTS 2 3/8, L-80 TBG 9691.80 XN-NIPPLE / POBS 2.20 --- EOT @ 9711.83 ND BOP, NUWH. DROP BALL. RIG PUMP T/ TBG. PUMP BIT OFF W/ 30 BBLS 2% KCL. SWI FOR 30 MIN. TURN WELL OVER T/ FBC. RACK OUT RIG EQUIP. RD RIG. ROAD RIG T/ NBU 921-16MT. SDFWE.
3/28/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1850#, TP 1050#, 20/64" CK, 30 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 2526 BBLS LEFT TO RECOVER: 6218

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Event: RECOMPLETION	Start Date: 3/23/2009	End Date: 3/26/2009
Active Datum: RKB @4,868.00ft (above Mean Sea Level)	UWI: NBU 920-27A	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
3/29/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2050#, TP 1075#, 20/64" CK, 25 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 3151 BBLS LEFT TO RECOVER: 5593
3/30/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1850#, TP 1025#, 20/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 3686 BBLS LEFT TO RECOVER: 5058

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU-0582-A

1a. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☑ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: Reperf

6. If Indian, Allottee or Tribe Name: TRIBAL SURFACE

7. Unit or CA Agreement Name and No.: UNIT #891008900A

2. Name of Operator: KERR McGEE OIL & GAS ONSHORE LP

8. Lease Name and Well No.: NBU 920-27A

3. Address: 1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3a. Phone No. *(include area code)*: 435.781.7024

9. API Well No.: 4304737899

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: NE/NE LOT. 1, 579'FNL, 728'FEL

10. Field and Pool or Exploratory: NATURAL BUTTES

11. Sec., T., R., M., on Block and Survey or Area: SEC. 27, T9S, R20E

At top prod. interval reported below

12. County or Parish: UINTAH, COUNTY

13. State: UT

At total depth

14. Date Spudded: 07/23/2008

15. Date T.D. Reached: 08/30/2009

16. Date Completed: ☐ D & A ☑ Ready to Prod. 03/29/2009

17. Elevations (DF, RKB, RT, GL)*: 4850'GL

18. Total Depth: MD 10475' TVD

19. Plug Back T.D.: MD 10419' TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): N/A

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☑ No ☐ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14" STEEL	36.7#		40'		28 SX			
12 1/4"	9 5/8" J-55	36#		2818		575 SX			
7 7/8"	4 1/2 I-80	11.6#		10475'		2091 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	9711'							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	6676'	7878'	6676'-7878'	0.36	200	OPEN
B) MESAVERDE	8638'	9048'	8638'-9048'	0.36	80	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
6676'-7878'	PMP 5044 BBLS SLICK H2O & 195,648# 30/50 OTTOWA SD
8638'-9048'	PMP 3722 BBLS SLICK H2O & 135,296# 30/50 OTTOWA SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/29/09	4/5/09	24	→	0	1476	450			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
20/64	985#	1340#	→	0	1476	450		PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/29/09	4/5/09	24	→	0	1476	450			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
20/64	985#	1340#	→	0	1476	450		PRODUCING GAS WELL

*(See instructions and spaces for additional data on page 2)

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DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1678'				
BIRDS NEST	1917'				
MAHOGANY	2419'				
WASATCH	5050'	8185'			
MESAVERDE	8282'	10398'			

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* SHEILA UPCHEGO Title REGULATORY ANALYST

Signature Date 05/08/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU-0582-A

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
NATURAL BUTTES

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
NBU 920-27A

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047378990000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6100

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0579 FNL 0728 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NENE Section: 27 Township: 09.0S Range: 20.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 2/21/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: TUBING FAILURE

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A WORKOVER FOR TUBING FAILURE HAS BEEN COMPLETED ON THE NBU 920-27A, SEE THE ATTACHED OPERATIONS SUMMARY REPORT.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
March 11, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Doreen Green	435 781-9758	Regulatory Analyst II
SIGNATURE		**DATE**
N/A		3/9/2015

RECEIVED: Mar. 09, 2015

US ROCKIES REGION

Operation Summary Report

Well: NBU 920-27A	Spud Conductor: 7/23/2008	Spud date: 7/26/2008
Project: UTAH-UINTAH	Site: NBU 920-27A	Rig name no.: MILES 3/3
Event: WELL WORK EXPENSE	Start date: 2/9/2015	End date: 2/14/2015
Active datum: RKB @4,868.00usft (above Mean Sea Level)	UWI: NBU 920-27A	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
2/10/2015	7:00 - 11:00	4.00	MAINT	35		P		WO 3412 TB 337 CS 338 FL GC Could not get Plunger up w/Well. Ran in w/1.910 Broach to SN at 9712, pulled out. Fluid Level is Gas cut. Sold well approx 30 min to Clear BSW off of Fishneck. Ran in w/Up Shear Fish Tool to SN, latched, pulled Viper Plunger, plunger mic'd at 1.886. Ran back to SN w/Up Shear, latched, pulled old style Titanium Spring w/X-cups, pulled out. Equalized Tubing and Casing. Returned Well to Production. Left Plunger and Spring by Wellhead for Rig Job. Rigged Down.
2/11/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.
	7:15 - 11:00	3.75	MAINT	30	A	P		ROAD RIG TO LOCATION FROM CIGE 158. MIRU. X/O TO TBNG EQUIP. HAD TO WAIT FOR 1 CMT BLOCK TO BE DELIVERED.
	11:00 - 17:00	6.00	MAINT	31	I	P		FCP & FTP= 60#. BLOW DOWN WELL TO PRODUCTION TANK. CNTRL TBG W/ 20BBLS TMAC. CNTRL CSG W/ 20BBLS TMAC. NDWH. UN-LAND TBG TO MAKE SURE IT WAS FREE (GOOD). LAND TBG BACK ON HANGER. NUWH. R/U FLOOR & TBG EQUIP. UN-LAND TBNG. REMOVE HANGER. P/U & RIH W/ 10JTS 2-3/8" L-80 TBNG. T/U HIGH @ 9987'. POOH WHILE STANDING BACK 10JTS THAT WERE USED TO T/U. MIRU SCANNERS. POOH WHILE SCANNING 306JTS 2-3/8" L-80 TBNG. SCAN RESULTS AS FOLLOWS:\n\nY-BND = 96JTS\nB-BND = 77JTS. DUE TO MILD PITTING & MINOR WALL LOSS\nR-BND = 133JTS. HEAVY INTERNAL PITTING JT 22-170. HOLE IN JT 90 & JT 306. LIGHT INTERNAL PITTING JT 220 - 291. NO INTERNAL OR EXTERNAL SCALE WORTH MENTIONING.\n\nRDMO SCANNERS. WINTERIZE EQUIP. SWIFN. CSG TO SALES. LOCK RAMS. SDFN.
2/12/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.
	7:15 - 11:00	3.75	MAINT	31	I	P		FCP= 60#. BLOW DOWN WELL TO FLOWBACK TANK. CNTRL CSG W/ 25BBLS TMAC. P/U & RIH W/ 3-7/8" MILL, BIT SUB & 2-3/8" L-80 TBNG. RIG BROKE DOWN.
	11:00 - 12:30	1.50	MAINT	49	A	Z		X/O FUEL FILTERS ON RIG. CALL FOR MECHANIC. FOUND BROKEN WIRE IN RIG CONTROL BOX. FIX WIRE.
	12:30 - 15:00	2.50	MAINT	31	I	P		CONT RIH W/ MILL & TBNG. T/U ON SCALE @ 9927' W/ 313JTS 2-3/8" L-80 TBNG + BHA. L/D 1JT TBNG. R/U POWER SWIVEL. INSTALL TBNG STRING FLOAT. MIRU FOAM-AIR UNIT. TOO LATE IN THE DAY TO BREAK CIRC. SWIFN. SDFN. READY TO FOAM IN AM.
2/13/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.

US ROCKIES REGION

Operation Summary Report

Well: NBU 920-27A	Spud Conductor: 7/23/2008	Spud date: 7/26/2008
Project: UTAH-UINTAH	Site: NBU 920-27A	Rig name no.: MILES 3/3
Event: WELL WORK EXPENSE	Start date: 2/9/2015	End date: 2/14/2015
Active datum: RKB @4,868.00usft (above Mean Sea Level)	UWI: NBU 920-27A	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:15 - 12:30	5.25	MAINT	31	I	P		SICP= 810#. STRING FLOAT INSTALLED IN TBNG STRING (NO PRESSURE AVAILABLE). OPEN CSNG TO FLOWBACK TANK. BREAK CIRC W/ FOAM-AIR UNIT IN 1HR. KICK IN POWER SWIVEL. C/O PATCHY SCALE F-9928' T- 10,010'. CONT RIH. T/U ON SAND @ 10,010'. WASH DOWN SAND TO 10,181' W/ 322JTS 2-3/8" L-80 TBNG + 3-7/8" MILL. T/U ON SUSPECTED OLD POBS (VERY HARD, QUIT MAKING HOLE). SPEAK W/ ENGINEER AND DECIDE CURRENT DEPTH IS ADEQUATE. PUH 5' & CIRC CLEAN W/ FOAM UNIT FOR 1HR.\n\n
	12:30 - 17:00	4.50	MAINT	31	I	P		CNTRL TBG W/ 20BBLS TMAC. R/D POWER SWIVEL. POOH WHILE L/D 16JTS 2-3/8" L-80 TBNG NOT NEEDED FOR PRODUCTION. POOH WHILE STANDING BACK REMAINING 306JTS TBG. L/D MILL & BIT SUB. \n\nNOTE: CNTRL TBG & CSG AS NEEDED W/ 40BBLS TMAC.\n\nP/U & RIH W/ NEW 1.875" XN-NOTCH COMBO NIPPLE + 122JTS 2-3/8" L-80 TBNG. EOT @3875' SWIFWE. SDFWE. LOCK RAMS.
2/14/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.
	7:15 - 12:00	4.75	MAINT	31	I	P		SICP= 900#. SITP= 850#. BLOW DOWN WELL TO FLOWBACK TANK. CNTRL TBG W/ 15BBLS TMAC. CONT RIH W/ 2-3/8" L-80 PRODUCTION TBNG. BROACH W/ 1.910" BROACH WHILE RIH. LAND TBNG ON HANGER AS FOLLOWS:\n\nKB= 18.00'\nHANGER= .83'\n306JTS 2-3/8" L-80 TBNG= 9695.85'\n1.875" XN W/ NOTCH COLLAR= 2.20'\nEOT @9716.88'\n\nR/D FLOOR & TBNG EQUIP. NDBOP. NUWH. SWI. RDMOL. ROAD RIG TO NBU 920-13I.\n\nTWLTR= 60BBLS.
2/21/2015	7:00 - 10:00	3.00	MAINT	42		P		NASCO-TERRY-FLUID LEVEL 4,00'-RUNS 1-BBLS 40.